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Series XXII

No. 13

Bulletin of The University of Nebraska

FORTY-SEVENTH ANNUAL GENERAL CATALOG

CONTAINING

THE COMPLETE RECORD FOR 1916-1917

ANNOUNCEMENTS FOR 1917-1918



Published by the University in May, 1917. Entered at the Post-Office at Lincoln, Nebraska, as second class matter under Act of Congress, July 16, 1894. The Bulletin of the University of Nebraska is published monthly in February, semi-monthly in March, semi-weekly in April, and monthly in May and November, of each year. One number each is issued of General Information, the General Catalog, the College of Agriculture, the College of Engineering, the College of Law, the College of Medicine, the College of Pharmacy, the Summer Session, and the Schools of Agriculture, Commerce and Fine Arts. A separate catalog of the Graduate, Arts and Sciences, Teachers Colleges, and the Graduate School of Education is also published. On request any of these are furnished by the Registrar, Station A, Lincoln, Nebraska.

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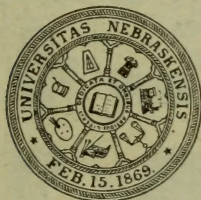
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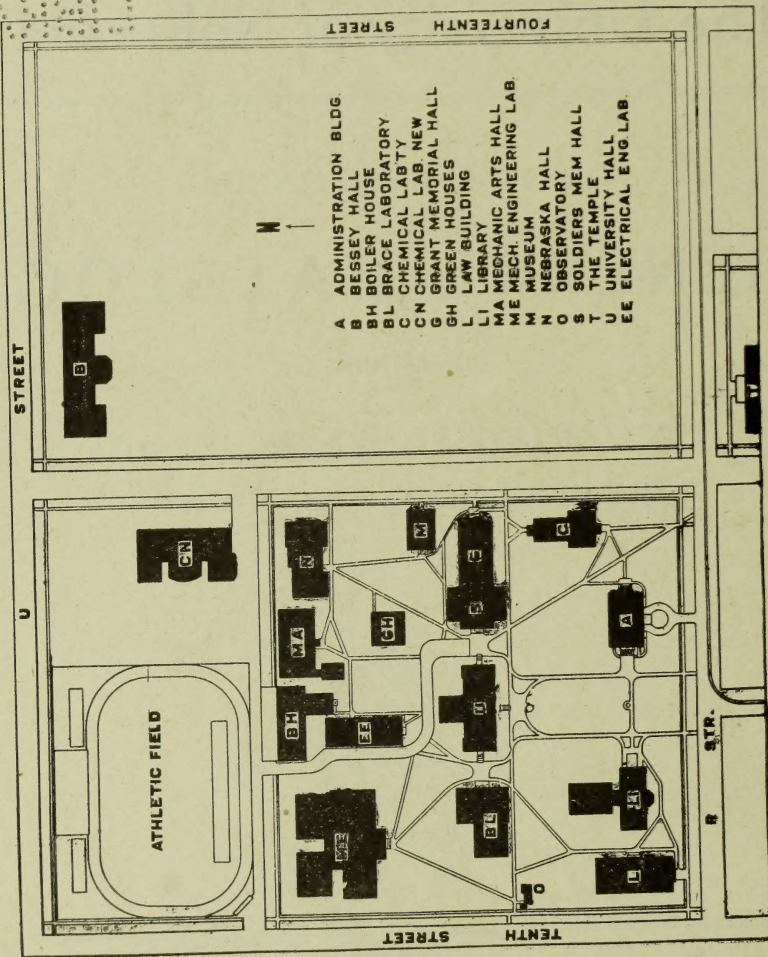
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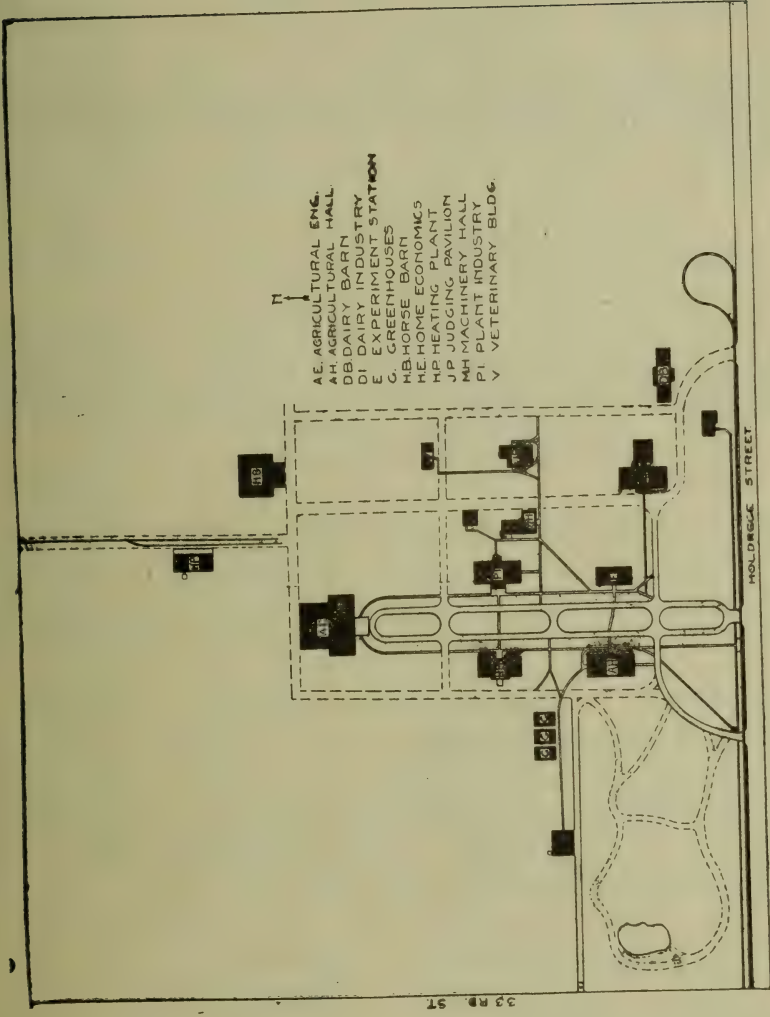
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CITY CAMPUS

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1916/17-17/18



UNIVERSITY FARM CAMPUS

1917

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1		1	2	3	4	5	6						1	2	3						1
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
16	17	18	19	20	21	22	2	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30		23	24	25	26	27	28	29
30																					30	31					

1918

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3						1	2						1	2	7	8	9	10	11	12	13
6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9	14	15	16	17	18	19	20
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16	21	22	23	24	25	26	27
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23	28	29	30				
27	28	29	30	31			24	25	26	27	28			24	25	26	27	28	29	30							
														31													
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	31
							30																				
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4						1	2	1	2	3	4	5	6	7
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
29	30						27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

1917

Sept. 12-15—Registration, first semester.
 Nov. 27-Dec. 1—Thanksgiving Recess.
 Dec. 22-Jan. 5—Christmas Recess

1918

Jan. 30-Feb. 2—Registration, second semester.
 Mar. 30-April 6—Spring Recess
 June 9-12—Forty-seventh Annual Commencement.

CALENDAR FOR 1917-1918 OF ALL COLLEGES AND SCHOOLS

1917

September 10-15	Monday-Saturday	University entrance examinations.
September 12-15	Wednesday-Sat.	Registration, first semester (second Wednesday after the first Monday in September).
September 15	Saturday, 8 p. m.	University reception to all students.
September 17	Monday	First semester classes begin.
September 18	Tuesday, 11 a. m.	Opening Address, the Chancellor.
October 12	Friday	School of Agriculture, first semester begins.
November 27	Tuesday, 6 p. m.	Thanksgiving recess begins.
December 1	Saturday, 12 m.	Thanksgiving recess ends.
December 11	Tuesday	Regular Meeting of the Board of Regents (first Tuesday after the first Wednesday in December).
December 22	Saturday, 12 m.	Christmas recess begins.

1918

January 5	Saturday, 12 m.	Christmas recess ends.
January 2	Wednesday	School of Agriculture, winter short course begins.
Jan. 26-Feb. 2	Saturday-Sat.	First semester examinations.
Jan. 26-Feb. 2	Saturday-Saturday	Entrance examinations.
Jan. 30-Feb. 2	Wednesday-Sat.	Registration, second semester.
February 4	Monday	Second semester classes begin.
February 14	Thursday, 8 p. m.	Annual Address before the Sigma Xi and Phi Beta Kappa Societies.
February 15	Friday	Charter Day. Regular meeting of the Board of Regents. Twenty-second Annual Mid-Winter Commencement.
March 30	Saturday, 12 m.	Spring recess begins.
April 6	Saturday, 12 m.	Spring recess ends.
April 9	Tuesday	Regular meeting of the Board of Regents (the first Tuesday after the first Wednesday in April).
April 26	Friday	School of Agriculture, Commencement.

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June 1-8	Saturday-Sat.	Second semester examinations.
June 6	Thursday	Teachers College High School Commencement.

Commencement Week, 1918

June 9	Sunday	Baccalaureate Sermon.
June 10	Monday, 10 a. m.	Final recommendations by faculties for degrees.
June 10-11	Monday-Tuesday	Class Day. Alumni Day.
June 11	Tuesday	Annual Meeting Board of Regents (the first Tuesday after the first Wednesday in June).
June 12	Wednesday	Forty-seventh Annual Commencement.
	10 a. m.	Commencement procession.
	10:30 a. m.	Oration and conferring of degrees.

Summer Session, 1918

June 10	Monday	Summer Session begins.
June 14-15	Friday-Saturday	Registration, Summer Session.
August 2	Friday, 8 p. m.	Twelfth Annual Summer Session Commencement.

1918-1919		
September 11	Wednesday	First semester begins (1918-1919).

THE BOARD OF REGENTS

1917

HON. FRANK LOUIS HALLER.....	Omaha
Term expires January, 1919	
HON. VICTOR GERALD LYFORD.....	Falls City
Term expires January, 1919	
HON. EDWARD PROVOST BROWN.....	Davey
Term expires January, 1921	
HON. JOHN ESCHLEMAN MILLER.....	Lincoln
Term expires January, 1921	
HON. PHILIP LOUIS HALL.....	Lincoln
Term expires January, 1923	
HON. HARRY DEWITT LANDIS.....	Seward
Term expires January, 1923	

OFFICERS OF THE BOARD OF REGENTS

HON. FRANK LOUIS HALLER, President

JAMES STUART DALES, Secretary

COMMITTEES OF THE BOARD OF REGENTS

Executive—Messrs. Haller, Lyford, Landis.

Finance—Messrs. Hall, Haller, Miller.

Property—Messrs. Lyford, Miller, Brown.

Industrial Education—Messrs. Brown, Hall, Landis.

CHANCELLOR OF THE UNIVERSITY

SAMUEL AVERY, Ph. D., LL. D.

ADMINISTRATIVE AND EXECUTIVE OFFICERS OF THE UNIVERSITY

OFFICE OF THE CHANCELLOR

Administration Hall 101

SAMUEL AVERY, Ph. D., LL. D., Chancellor and President of the University Senate.

ELISHA BENJAMIN ANDREWS, Ph. D., D. D., LL. D., Chancellor Emeritus.

OFFICE OF THE SECRETARY

Administration Hall 102

JAMES STUART DALES, M. Ph., Secretary of the Board of Regents and of the University Senate. (*With rank of Dean.*)

MAX WESTERMANN, Assistant Secretary of the Board of Regents.

LEO JOSEPH LOGAN, Chief Clerk.

ALLEN REED BEACH, Chief Clerk (Farm).

OFFICE OF THE REGISTRAR

Administration Hall 103

VANCIL KELSO GREER, LL. B., Registrar and University Publisher. (*Secretary of the Faculties.*)

FLORENCE IRWIN McGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*)

OFFICE OF THE SUPERINTENDENT OF CONSTRUCTION

Administration Hall 208

CHARLES EDMUND CHOWINS, M. E., Superintendent of Buildings, Grounds and Construction.

WILLIAM WARD VOTAW, Assistant Superintendent in charge of Grounds and Buildings (Farm).

EDWARD EMIL ANDERSON, B. Sc. in C. E., Assistant Superintendent of Construction.

OFFICE OF THE EFFICIENCY AGENT

Administration Hall

ALVIN OSCAR JOHNSON, A. B., Efficiency Agent.

OFFICE OF THE PURCHASING AGENT

Administration Hall 202

HARLAN ALFRED EVANS, Purchasing Agent.

[†]Resigned.

OFFICE OF THE EXECUTIVE DEAN

Administration Hall 104

CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean.

OFFICE OF THE DEAN OF WOMEN

Administration Hall 205

MARY CATHERINE GRAHAM, A. B., Dean of Women.

OFFICE OF THE HIGH SCHOOL INSPECTOR

Administration Hall 203

ALBERT ALISON REED, A. M., Inspector of Accredited Schools.

ADOLPH MAX VOSS, A. B., Assistant Inspector of Accredited Schools.

OFFICE OF STUDENT ACTIVITIES

Administration Hall B7

TERRY ARTHUR WILLIAMS, Agent for Student Activities.

ALUMNI OFFICE

Administration Hall B6

ANNIS CHAIKIN, A. M., Secretary of the Alumni Association.

THE COLLEGES

LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College.

ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences.

EDGAR ALBERT BURNETT, D. Sc., Dean of the College of Agriculture.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College.

WILLIAM GRANGER HASTINGS, A. B., Dean of the College of Law.

OSCAR VAN PELT STOUT, C. E., Dean of the College of Engineering.

IRVING SAMUEL CUTTER, M. D., Dean of the College of Medicine.
(Omaha).

RUFUS ASHLEY LYMAN, A. M., M. D., Dean of the College of Pharmacy.

THE SCHOOLS

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Dean of the Graduate School of Education.

JAMES EDWARD LE ROSSIGNOL, Ph. D., Director of the School of Commerce.

PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts.

HARRY ELWYN BRADFORD, A. B., Principal of the School of Agriculture.

CYRUS VANCE WILLIAMS, A. M., Superintendent of Nebraska School of Agriculture. (Curtis.)

CHARLES WILLIAM TAYLOR, A. B., Principal of the Teachers College High School.

JULIA EMELINE LOUGHRIDGE, A. B., Assistant Principal of the School of Agriculture.

THE LIBRARY

MALCOLM GLENN WYER, M. L., B. L. S., Librarian.

NELLIE JANE COMPTON, A. B., Assistant Librarian.

SOPHIA JOSEPHINE LAMMERS, A. B., Reference Librarian.

THE MUSEUM

ERWIN HINCKLEY BARBOUR, Ph. D., Curator of the University Museum.

CARRIE ADELINE BARBOUR, B. Sc., Assistant Curator of the University Museum.

RAYMOND JOHN POOL, Ph. D., Curator of the Herbarium.

THE GYMNASIUM

RAYMOND GUSTAVUS CLAPP, Ph. B., M. D., Director of the Men's Gymnasium.

INA ESTELLE GITTINGS, A. B., Director of the Women's Gymnasium.

EDWARD JAMES STEWART, M. D., Director of Athletics.

¹GUY EUCLID REED, A. B., Manager and Assistant Director of Athletics.

¹RICHARD BURR RUTHERFORD, Instructor in Athletics.

¹Resigned.

THE UNIVERSITY SENATE

OFFICERS

PRESIDENT, SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
SECRETARY, JAMES STUART DALES, M. Ph., Secretary of the Board of Regents.

MEMBERS

Professors Alexander, Almy, Aylsworth, Barber, Barbour, Barker, Bradford, Brenke, Bridges, Broady, Brownell, Bruner, Buck, Burnett, Burr, Caldwell, Candy, Chase, Chatburn, Clapp, Condra, Conklin, Cutter, B. Dales, Dann, Davis, Eggers, Engberg, Ferguson, Filley, Fling, Fogg, Fordyce, L. Fossler, Frandsen, Frye, Gain, Gifford, Graham, (Dean of Women), Gramlich, Grumann, Guenther, Hastings, Hinman, Hoffman, Hopt, G. E. Howard, R. F. Howard, Hrbkova, Jonas, Jones, Keisselbach, Lees, LeRossignol, Loomis, Loveland, Luckey, Lyman, McGahey (Acting Registrar), Maxey, Moore, Parker, Persinger, Pilcher, Pool, Pound, Poynter, Pugsley, Raymond, Reed, Robbins, Sheldon (Director), Sherman, Skinner, Slaymaker, Stewart, Stout, Stuff, Swenk, Swezey, Taylor, Tuttle, Upson, Virtue, Waite, Webster, Whitney, Wilcox, Willard, H. H. Wilson, Wolcott, Wolfe, Wyer. President Avery, Secretary Dales.

STANDING COMMITTEES

- Accredited Schools and Admission to Freshman Standing in the Colleges**—The Chancellor (chairman), Deans Burnett, Davis, Stout, Professors Lees, Reed, The Registrar.
- Athletics**—Professors Barber (chairman), Caldwell, Clapp, Scott, Stewart, Wolcott.
- Convocation Exercises**—Professor Grumann (chairman), Mrs. Raymond, The Registrar.
- Scholarship**—Professors Chatburn (chairman), Engberg (secretary), Conklin, Foster, Frye, Lees, Dean of Women Graham.
- Nominations**—The Chancellor (chairman), Professors Barber, Burnett, Hastings, Lees, Sherman.
- Publication of University Studies**—Dean Sherman (chairman), Professors Fling, Frye, Grumann, C. A. Skinner, Wyer.
- Student Organizations and Social Functions**—Professors Chatburn (chairman), Tuckerman (auditor), Engberg, Sanford, Dean of Women Graham, the chairman of the interfraternity and inter-sorority councils.
- Student Publications**—Dean Stout (chairman), Professors Aylsworth, Alexander, Buck, Chase.
- University Extension Courses and Credits**—Dean Davis (chairman), Professors Caldwell, Condra, LeRossignol, Luckey, Pugsley, Reed.

ALPHABETICAL LIST OF ALL OFFICERS OF ADMINISTRATION AND INSTRUCTION

MARKS AND ABBREVIATIONS

Figures in parentheses as (1911, 1910) indicate, respectively, year in which present rank was attained and year of first membership in a faculty of the University.

Letters in parentheses as (AS, E), indicate college faculty or faculties of which the person is a member.

FACULTIES

A = College of Agriculture

AS = College of Arts and Sciences

E = College of Engineering

G = Graduate College

L = College of Law

M = College of Medicine

P = College of Pharmacy

T = Teachers College

OFFICES

Adm = Administration Hall, Campus

A E A = Agricultural Engineering Annex,
Farm

Agr H = Agricultural Hall, Farm

B = Brace Laboratory of Physics, Campus

C = Chemistry Hall, Campus

D = Dairy Hall, Farm

Elect = Electrical Engineering Labora-
tories, Campus

E S = Experiment Station Hall, Farm

G = Grant Memorial Hall, Campus

H E = Home Economics Hall, Farm

Hort H = Horticultural Hall, Farm

L = Library Hall, Campus

Law = College of Law Building, Campus

M = Mechanic Arts Hall, Campus

M E = Mechanical Engineering Labora-
tories, Campus

Mach H = Machinery Hall, Farm

Mus = Museum, Campus

N = Nebraska Hall, Campus

P I = Plant Industry Hall, Farm

S = Soldiers' Memorial Hall, Campus

U = University Hall, Campus

ABBOTT, ROSCOE CONKLIN, B. Sc., Scholar in Chemistry, 620 South Thirtieth street.

¹ADENDORFF, JOHN, M. E., Mechanical Engineer, M. E. 108, 1240 S street.

¹AIKEN, JOSEPH MELANCHTHON, M. D., Professor of Mental and Nervous Diseases, 468 Brandeis Building, Omaha (M).

ALEXANDER, HARTLEY BURR, Ph. D., Professor of Philosophy (1908, 1908), L 110, 1835 Ryons street (AS, G).

ALEXIS, JOSEPH EMANUEL ALEXANDER, A. M., Assistant Professor of Germanic Languages and Literatures (1913, 1910), U 108, 1455 Garfield street (AS).

ALFORD SIMON WAYNE, D. V. S., Associate Professor of Animal Pathology (1917, 1913), 3225 Holdrege Street (A).

ALLEN, MATTIE, A. M., Instructor in Primary Education (1912, 1912), 334 North Thirteenth street (T).

ALLEN, WILLIAM J., Sergeant, U. S. Army, Retired, Assistant to Commandant of Cadets, S 204, 2410 T street.

ALMY, EMORY FREDERICK, B. Sc., Assistant in Agricultural Chemistry, E S 103, 3221 W street.

ALMY, JOHN EDWIN, Ph. D., Professor of Experimental Physics (1909, 1900), B 116, 2300 A street, (AS, E, G)

¹Resigned.

- ¹ANDERSON, ARTHUR EUGENE, A. B., State Leader in Charge of County Agent Work (Extension), Agr H 302, Y. M. C. A.
- ¹ANDERSON, EDWARD EMIL, B. Sc. in C. E., Assistant Superintendent of Construction, Adm 207, 2903 P street.
- ANDERSON, EULA M., Stenographer, Agricultural Extension Department, 3420 P street.
- ANDERSON, MARY ANNETTE, A. B., Secretary Accredited Schools, Adm 203, 417 South Fourteenth street.
- ANDERSON, WILLIAM E., B. Sc., Assistant in Agricultural Chemistry and Dairy Husbandry, E S 104, 3237 R street.
- ANDERSON, WILLIAM NANCE, B. Sc., M. D., Instructor in Physical Diagnosis, 3212 Cuming street, Omaha.
- APPERSON, CATHERINE LAMASTER, A. B., Assistant in Romance Languages, U 305, 1615 F street.
- ARMSTRONG, AMY E., A. B., Fellow in Philosophy, L 111, 1611 C street.
- ASH, IRVIN ODA, A. B., Scholar in Education, U 209, 1121 Q street.
- ¹ASHTON, THOMAS HUTCHISON, Clerk Agricultural Extension Department, 3018 Dudley street.
- ATKINSON, RITA, Library Assistant, 2926 P street.
- AUSTIN, CORA B., Assistant in Purchasing Agent's Office, 707 South Twenty-seventh Street.
- EVERY, SAMUEL, Ph. D., LL. D., Chancellor and President of the University Senate (1909, 1901), Adm 101, 2001 Washington street.
- AYLSWORTH, LEON EMMONS, A. M., Professor of Political Science and Sociology (1915, 1902), Law 103, 1850 Harwood street (AS, G).
- BABBITT, ALBERT, A. M., Assistant Professor of Mathematics (1917, 1916), M A 301½, Box 1344, Station A (A).
- ¹BABBITT, BETHEL JAY, A. B., Assistant in Physics, 1528 P street.
- BABBITT, SHIRLEY D., A. M., Instructor in Rhetoric (1916, 1916), U 107a, 1528 P street (AS).
- BABCOCK, CORA HORTENSE, Adviser to Girls, School of Agriculture (1916, 1916), H E (A).
- BAER, ALVA ALDUS, A. B., Assistant Professor of Agricultural Engineering (1914, 1907), Mach H, 1729 Prospect street (A, E).
- BAKER, EDYTH ESTELLE, A. B., Assistant in Botany, N 106, 2025 A street.
- BALDWIN, DOROTHY, Instructor in Physical Education (1915, 1915), S 202, 322 South Fourteenth street (AS).
- BALLARD, CARL HARDIN, M. D., Instructor in Dermatology and X-ray Diagnosis, 402 Brandeis Building, Omaha.
- BANISTER, JOHN MONROE, A. B., M. D., Assistant Professor of Tropical Medicine, 400 Brandeis Theater Building, Omaha (M).
- BARBER, GROVE ETTINGER, A. M., Professor of Roman History and Literature (Head of Department of Roman History and Literature) (1906, 1882), U 205, 1320 L street (AS, G).
- BARBOUR, CARRIE ADELINE, B. Sc., Assistant Curator of the Museum and Assistant Professor of Paleontology (1916, 1893), Mus 101, 1501 S street.
- ²BARBOUR, ERWIN HINCKLEY, Ph. D., Professor of Geology (Head of Department of Geology) (1906, 1891), Curator of University Museum, Mus 201, 1234 R street (AS, G).
- BARKER, FRANKLIN DAVIS, Ph. D., Professor of Medical Zoology and Parasitology (1913, 1903), N 205, 1819 South Twenty-sixth street (AS, P, G).

¹Resigned.

²Director of State Geological Survey.

- BARNETT, LEOTA WALKER, Stenographer, Agricultural Engineering Department, 42d and Starr street.
- ¹BARNES, VIOLA FLORENCE, A. M., Instructor in American History (1912, 1909), U 210, 1507 R street (AS).
- ²BATTY, RALPH, Graduate Assistant in Chemistry, 1253 South Twenty-first street.
- BEACH, ALLEN REED, Chief Clerk, University Farm, Agr H 202, 709 North Thirty-second street.
- BEAMS, JANE ANNE, A. B., Instructor in English and History, and Librarian, Curtis.
- BEATTIE, MABELLE BENTON, A. M., Cataloger, University Library, 421 South Fifteenth street.
- BEATY, EDNA M., Stenographer, Horticultural Department, P I 105, 3201 W street.
- ²BEATY, ETHEL, Clerk in Agricultural Botany, P I 304, 3201 W street.
- BECK, EARL CLIFTON, A. B., Instructor in English Language and Literature, and Basketball Coach in High School, L 301, 1437 S street (AS).
- ²BECKHOFF, ALEXANDER HENRY, B. Sc., County Agent Work (Extension), Hubbard, Nebraska.
- BEERS, GERTRUDE, Instructor in Shorthand and Typewriting in the Teachers College High School, 1050 G street (T).
- BENGTON, NELS AUGUST, A. M., Professor of Geography and Conservation (1917, 1908), U 308a, 1942 Euclid Avenue (AS, T, E, A).
- BENNETT, ESTHER, A. B., Instructor in Home Economics, Curtis.
- ²BEYNON, ABI, A. B., Assistant in Study Room, School of Agriculture, 1121 F street.
- ²BIEL, LILLIAN A., Bulletin Clerk, Agr H 101, 2727 Sumner street.
- BIGGLESTONE, HARRY C., A. B., General Secretary University Y. M. C. A.
- ¹BLACKSTONE, ELMER O., Assistant in Secondary School Sciences, 2765 W street.
- BLISS, RODNEY WALDO, B. Sc., M. D., Assistant Professor of Clinical Medicine and Physical Diagnosis, 410 Brandeis Theater Building, Omaha (M).
- BLOTZ, GEORGE ARLINGTON, Assistant in Agronomy, 1517 U street.
- BLUMBERG, HENRY, A. B., A. M., Ph. D., Assistant Professor of Mathematics (1914, 1913), M 307, 2528 R street (AS).
- BORROWMAN, GEORGE, Ph. D., Associate Professor of Chemistry (1914, 1905), C 8, 1641 South Twenty-first street¹ (AS, E, P, G).
- BOSTWICK, IRENE, Clerical Assistant, 112 North Forty-first street, Omaha.
- ²BOTHWELL, RUSSELL EDWIN, Clerical Assistant, Agricultural Extension, Agr H 302, 430 North Thirty-third street.
- BOYCE, HAROLD, Assistant in Mathematics, School of Agriculture, 442 North Twelfth street.
- BRACKETT, ELMER EUGENE, B.Sc. in E. E., Associate Professor of Agricultural Engineering (1916, 1913), Mach H 101, 3230 Starr street (A, E).
- BRADBURY, ORA CLARE, A. M., Assistant in Zoology, N 202a, 3100 T street.
- BRADFORD, HARRY ELWYN, A. B., Professor of Secondary Agricultural Education and Principal of the School of Agriculture (Head of Department of Secondary Agricultural Education) (1912, 1912), Agr H 207, 3259 Starr street (A, T).
- BRANDT, EMELIA, Ph. G., Dispensary Pharmacist, Omaha.
- BRENKE, WILLIAM CHARLES, Ph. D., Professor of Mathematics (1913, 1907), M 305, 1250 South Twenty-first street (AS, E, G).

¹Absent on leave²Resigned.

- BRIDGES, EDSON LOWELL, M. D., Assistant Professor of Clinical Medicine, Omaha (M).
- BRIDGES, WILLSON ORTON, M. D., Professor of the Principles and Practice of Medicine and Clinical Medicine, Omaha Club, 24th and Douglas street, Omaha (M).
- BRIDGMAN, JUDD NOBLE, M. S., Associate Professor of Civil Engineering (1913, 1909), M 205, 2860 Garfield street (E, G).
- BRIGHT, GEORGE F., Clerk in Agricultural Extension, 1747 South Fifteenth street.
- BROADY, JEFFERSON H., LL. B., Professor of Law (1916, 1916), Law 206, 1951 Sewell street (L).
- BROCK, HENRIETTA McELROY, Instructor in China Painting (1894, 1894), L 308, Melick Court (AS).
- BROOKINGS, A. M., Assistant Taxidermist of Museum, Inland, Nebraska.
- BROWN, MARY-ELLEN, B. Sc., Instructor in Home Economics (1911, 1911), H E 305, 3321 R street (A).
- BROWNELL, HERBERT, B. Sc., Professor of Sciences in Secondary Education (Head of Department of Sciences in Secondary Education) (1910, 1910), T 5, 2434 Q street (T, AS).
- ²BRUNER, LAWRENCE, B. Sc., Professor of Entomology and Entomologist of the Experiment Station (Head of Department of Entomology) (1906, 1888), P I 208, 2314 South Seventeenth street (AS, A, G).
- BUCK, PHILO MELVIN, JR., A. M., Professor of Rhetoric (1912, 1910), U 107c, 1825 Pepper avenue (AS, G).
- BULLOCK, EDNA D., B. L., B. L. S., Assistant Legislative Reference Bureau, U 306, Thirty-sixth and Y streets.
- BULLOCK, FLORA, A. M., Assistant Professor of English in the School of Agriculture (1914, 1903), Agr H 109, Thirty-sixth and Y streets.
- BULLOCK, THEODORE TUNISON, A. M., Instructor in Economics and Commerce (1916, 1916), U 103, 549 North Twenty-fifth street (AS).
- BUNTING, ALBERT EGGLETON, Assistant Professor of Practica Mechanics (1914, 1907), M E 202, 2045 D street (E).
- ¹BURDICK, EDITH LEONA, Stenographer, Home Economics Department, H E, Forty-first and Starr streets.
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- BURNETT, EDGAR ALBERT, D. Sc., Dean of the College of Agriculture, Director of Experiment Station (1909, 1899), Agr H 203, 3256 Holdrege street (A).
- BURR, WILLIAM WESLEY, B. Sc., Professor of Agronomy (Head of Department of Agronomy) (1916, 1916), E S 109 (A).
- CALDWELL, HOWARD WALTER, A. M., Professor of American History (Head of Department of American History) (1906, 1883), U 210, 1919 E street (AS, G).
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- CALVIN, JOHN WILLARD, B. Sc., Assistant Professor of Agricultural Chemistry and Associate Chemist of the Experiment Station (1914, 1914), E S 103, 3534 Randolph street (A).
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¹Resigned. •

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- ¹CHAPIN, EUNICE S., A. B., Assistant in Romance Languages, 1614 D street.
- CHASE, LEON WILSON, A. E., Professor of Agricultural Engineering (Head of Department of Agricultural Engineering) (1911, 1904), A E 203, 1245 North Thirty-third street (A, G, E).
- CHATBURN, GEORGE RICHARD, A. M., C. E., Professor of Applied Mechanics and Machine Design (Head of Department of Applied Mechanics and Machine Design) (1909, 1894), M 101, 2850 P street (E, G).
- CHEUVRONT, MAUD ALICE, Secretary to the Principal, School of Agriculture, Agr H 207, 2740 T street.
- CHOWINS, CHARLES EDMUND, M. E., Superintendent of Buildings, Grounds, and Construction (1908, 1887), Adm 208, 1802 Washington street.
- CHOWINS, JOHN MARTIN, Expert Mechanician, B, 2820 T street.
- CHRISTENSEN, ARTHUR CHARLES, A. B., Scholar in Chemistry, College View.
- CHRISTIE, BURTON WHITFORD, B. Sc., M. D., Assistant Professor of Pediatrics, 330 Bee Building, Omaha (M).
- CLAAR, CHARLES EDWARD, Assistant in Sciences in Secondary Education, T 5, 331 North Thirteenth street.
- CLAPP, RAYMOND GUSTAVUS, Ph. B., M. D., Professor of Physical Education and Director of the Men's Gymnasium (Head of Department of Physical Education) (1912, 1902), G 206, 2017 Washington street (AS, T).
- ¹CLARK, DELLA MARIE, A. B., Instructor in Physical Education, S 202, 814 East Sixteenth street, University Place.
- CLARK, LETTA MAY, A. B., A. M., Assistant Professor of Methods of Instruction in English, (1917, 1912), 814 East Sixteenth Street, University Place (T).
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- CLIFFORD, PAUL F., A. B., Instructor in Romance Languages (1916, 1916), U 304, 442 North Twelfth street (AS).
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- CORNELL, CLARE BROWN, Ph. D., Instructor of Cadet Band (1912, 1911), 2450 South Seventeenth street (AS).
- CORNELL, SIDNEY ANDREW, Clerk to Superintendent of Construction, Adm 207, 1927 Warren avenue, University Place.
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- CUTTER, IRVING SAMUEL, B. Sc., M. D., Dean of the College of Medicine and Professor of Biochemistry (Head of Department of Biochemistry) (1915, 1911), 808 North Thirti-ninth street, Omaha (M).
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- DALES, JAMES STUART, M. Ph., Secretary of the Board of Regents and of the University Senate (with rank of Dean), Adm 102, 1743 A street.
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- DENNY, GLAIDETH GAINEVERE, A. B., Instructor in German and History, School of Agriculture (1908, 1908), Agr H 109, 1726 Q street.
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- DOWNES, MARGARET, Library Assistant.
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- ¹DUNMAN, WILLIAM HILL, Landscape Gardener, P I, 37th and Holdrege streets.
- ¹DUNTEN, WESLEY LOUIS, Assistant in Secondary School Sciences, 1520 U street.
- EGGERS, HAROLD E., B. Sc., M. D., Professor of Pathology and Bacteriology, Omaha (M).
- ELLIOTT, BENJAMIN GEORGE, M. S., M. E., Associate Professor of Mechanical Engineering (1915, 1915), M E 203, 3327 Holdrege street (E).
- ELLIS, ROBERT WALPOLE, B. Sc., M. A., Instructor in Geology and Museum Preparator (1914, 1913), Mus 401, 349 North Twenty-ninth street (AS).
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- ENGBERG, CARL CHRISTIAN, Ph. D., Executive Dean and Professor of Applied Mathematics (1913, 1896), Adm 104, 3315 R street (AS, E, G).
- ENGLAND, MINNIE THROOP, Ph. D., Assistant Professor of Economics and Commerce (1916, 1909), U 101, 1350 North Thirty-seventh street (AS, G).
- EVANS, HARLAN ALFRED, Purchasing Agent, Adm 202, 124 North Twenty-seventh street.
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- FAGAN, NITA LOIS, Stenographer, Department of Dairy Husbandry, D, 1013 A street.
- FARR, FRED C., Toolkeeper in Mechanical Engineering.
- FEDDE, MARGARET SOPHIE, A. B., Assistant Professor of Home Economics (1917, 1914), 1833 G street.
- FERGUSON, OLIN JEROME, M. E. E., Professor of Electrical Engineering (Head of Department of Electrical Engineering) (1912, 1912), M 208, 326 North Twenty-sixth street (E).
- FILLEY, HORACE CLYDE, A. M., Professor of Farm Management (Head of Department of Farm Management) (1914, 1911), 2344 Dudley street (A, G).
- FINDLEY, PALMER, B. S., M. D., Professor of Gynecology and Operative Surgery, 418 Brandeis Theater Building, Omaha (M).
- FITZPATRICK, THOMAS J., B. Sc., M. Sc., Library Assistant, Assisting in Botany and in Mathematics, M 202, Bethany.
- FLING, FRED MORROW, Ph. D., Professor of European History (Head of Department of European History) (1906, 1891), T, 1530 South Twenty-second street (AS, T, G).
- FOGG, MILLER MOORE, A. M., Professor of Rhetoric, in charge of Debate and Newspaper Writing (1917, 1901), U 206, 1540 South Twenty-first street (AS, G).
- FORDYCE, CHARLES, Ph. D., Dean of the Teachers College and Professor of Educational Theory and Practice (Head of Department of Educational Theory and Practice) (1908, 1908), Adm 105, 1921 C street (T, AS, G).
- FOSSLER, LAURENCE, A. M., Professor of Germanic Languages and Literatures (Head of Department of Germanic Languages and Literatures) (1906, 1889), U 108, 1547 South Seventeenth street (AS, T, G).
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- ¹FOSTER, ESTHER BURRITT, Instructor in English, School of Agriculture, 2811 S street.
- FOSTER, GEORGE NIMMONS, Ph. B., LL. B., J. D., Assistant Professor of Law (1912, 1912), Law 206, 2811 S street (L).
- FRANDSEN, JULIUS HERMAN, M. S. A., Professor of Dairy Husbandry (Head of Department of Dairy Husbandry) (1911, 1911), D, 1401 North Thirty-third street (A).
- FRANKFORTER, CLARENCE JACKSON, A. M., Assistant Professor of Chemistry (1914, 1909), C, 710 North Twenty-fourth street (AS, P).
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- FRYE, PROSSER HALL, A. B., Professor of Rhetoric (Head of Department of Rhetoric) (1909, 1896), U 107b, 1434 K street (AS, E, T, G).
- FULK, JOSEPH RICHARD, A. M., Fellow in Education, U 209, 2282 Sheldon street.
- GADDIS, PORTER L., A. B., Associate Professor of Agricultural Education (Extension) (1917, 1915), Agr H 303, 3045 Orchard street (A).
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- GISH, OLIVER HOLMES, B. Sc., A. M., Instructor in Physics (1916, 1914), B, 2163 South Seventeenth street (AS).
- GITTINGS, INA ESTELLE, A. B., Associate Professor of Physical Education and Director of Women's Gymnasium (1916, 1907), S 202, 1630 J street (AS, T).
- ²GLASS, JESSIE JUNE, A. B., Library Assistant, L, 3141 Holdrege street.
- ¹GODFREY, EARL LESTER, B. Sc., Instructor in Animal and Dairy Husbandry, Curtis.
- GOETZ, JAMES SAMUEL, M. D., Assistant Professor of Therapeutics, 324 Bee Building, Omaha (M).
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- GOLDSTONE, JOE, Laboratory Assistant in Pharmacology, Omaha.
- GORDON, ROBERT, Technical Assistant in Pathology and Bacteriology, Omaha.
- ¹GORMAN, FRANK T., A. B., Instructor in Romance Languages (1915, 1915), U 301, Y. M. C. A.
- GRAHAM, MARY CATHERINE, A. B., Dean of Women (1914, 1913), Adm 205, 1409 South Twenty-first street.
- GRAMLICH, HOWARD JOHN, B. Sc., Professor of Animal Husbandry (Head of Department of Animal Husbandry) (1917, 1911), Agr H 103, 3220 Starr street (A).
- GRANT, BLANCHE CHLOE, A. B., Associate Professor of Drawing and Painting, L, The Orlo, (AS).
- GRANT, WILLIAM, B. Sc., Associate Professor of Civil Engineering in charge of Water Supply and Sanitary Engineering (1916, 1916), M 205, 2420 R street.
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- GREEN, JOHN, Engineer of Heating and Power Plant.
- GREEN, RALPH DENNIS, Assistant in Biochemistry, Omaha.
- ¹GREER, VANCIL KELSO, LL. B., Registrar and University Publisher (Secretary of Faculties), Adm 103, 2611 South Thirteenth street.
- ¹GRENNAN, ELIZABETH BENNETT, Ph. D., Instructor in Mathematics (1910, 1910), M 301½, 232 North Sixteenth street.
- ¹GRENNAN, JOHN, Instructor in Mechanical Engineering (1911, 1911), M E 106, 232 North Sixteenth street.
- GROSSART, FREDERICK GUSTAVE, Landscape Gardener, 3440 Starr street.
- ¹GRUMMANN, HERBERT RICHARD, A. B., Graduate Assistant in Physics, 1967 South street.
- GRUMMANN, PAUL HENRY, A. M., Director of the School of Fine Arts and Professor of Modern German Literature (1912, 1900), L 304, 1967 South street (AS, T, G).
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¹Resigned.

²Absent on leave.

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- HANLEY, FREDERICK R., A. B., Instructor in Romance Languages (1914, 1914), U 302, Y M. C. A. (AS).
- HANNAH, MARGARET LOUISE, A. B., A. M., Instructor in Botany (1912, 1910) N 107, 1948 Harwood street (AS).
- HANSEN, NIELS PETER, Ph. G., Lecturer in Commercial Pharmacy, N 7, 1933 Garfield street
- HANSON, DAISY MAY, M. D., Consulting Physician to Women, 1645 R street.
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- HARTWIG, MARIE L., Stenographer, Agricultural Extension Department, 2991 Holdrege street.
- HASTINGS, WILLIAM GRANGER, A. B., Dean of the College of Law and Professor of Law (1909, 1904), Law 208, 301 North Thirty-fifth street (L, AS, P, G).
- HAYS, MABEL ROMMELL, A. B., Instructor in English Language and Literature (1913, 1910), L 301, 1830 Washington street.
- HEATON, ROSS, Assistant Taxidermist of Museum, Curtis, Nebraska.
- ¹HELM, CHARLES ALTON, A. M., Instructor in Agronomy (Experimental) (1916, 1916), P I, Thirtieth and Dudley streets.
- HENDRICKS, JESSE FRANKLIN, A. M., Assistant in Farm Management, Demonstration Work (Extension Service), A H 307, 3011 Q street.
- HEPPNER, AMANDA HENRIETTA, A. M., Assistant Professor of Germanic Languages and Literatures (1909, 1901), U 110, 944 Washington street (AS).
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- HIBBIN, ROBERT CANN, B. Sc., Instructor in Dairy Husbandry (1917, 1916), D, 1401 North Thirty-third street (A).
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- HOPPERT, ERNEST HERMAN, B. Sc., Assistant Professor of Horticulture (Extension) (1915, 1915), P I 105, Y. M. C. A. (A).
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- HOWARD, GEORGE ELLIOTT, Ph. D., Professor of Political Science and Sociology (Head of Department of Political Science and Sociology) (1904, 1878-1891), Law 106, 1528 K street (AS, G).
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- HOWELL, HARRIET ALICE, A. M., Associate Professor of Elocution and Dramatic Art (1916, 1900), U 106, The Orlo (AS).
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- HUNTER, ALICE CUSHMAN, Ph. D., Assistant Professor of Roman History and Literature (1914, 1903), U 205, 1448 R street (AS, G).
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¹Resigned

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- KINGSLAND, EARLE BRUSH, Ph. B., B. Sc. in C. E., Instructor in Civil Engineering (1912, 1912), M 205, 1212 South Twenty-sixth street.
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- KOVARIK, JOSEPH, Technical Assistant in Anatomy, Omaha.
- KUBIK, THEODORE, Assistant in Slavonic Languages.
- KUHN, MARIE, Instructor in Home Economics (1916, 1916), 1304 L street (A).
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- LAMMERS, JOSEPHINE SOPHIA, A. B., Reference Librarian, L, 1441 M street.
- LATIMER, HOMER BACKER, A. M., Associate Professor of Zoology and Anatomy (1916, 1916), N 206, 1909 South Twenty-seventh street (AS).
- LEDWITH, JOHN JAMES, B. Sc., LL. B., Assistant Professor of Law (1914, 1903), Law, 1230 South Sixteenth street (L).
- LEE, CHARLES BOPES, A. M., Professor of Animal Husbandry (1914, 1910), Agr H 104, 1306 L street (A).
- LEE, JESSIE BEGTOL, A. B., Instructor in Physical Education (1911, 1910), S 202, 1700 L street (AS).
- LEES, JAMES THOMAS, Ph. D., Professor of Greek History and Literature (Head of Department of Greek History and Literature) (1906, 1889), U 215, 2012 A street (AS, G, T).
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- LEROSSIGNOL, JAMES EDWARD, Ph. D., LL. D., Director of School of Commerce and Professor of Economics and Commerce (Head of Department of Economics and Commerce) (1913, 1911), U 101, 1956 Prospect street (AS, G, P, E).
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- ¹LIEBERS, OTTO HUGO, B. Sc., County Agent Work (Extension), Beatrice, Nebraska.
- LINCH, LETA BLANCHE, A. B., Supervisor of Practice Teaching in Home Economics, School of Agriculture (1917, 1915), 1635 South Sixteenth street.
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- LINK, GEORGE KONRAD KARL, Ph. D., Associate Professor of Agricultural Botany (1914, 1910), P I 303, 430 North Twenty-fifth street (A).
- LODER, S. S., Assistant in Horticulture.
- LOGAN, LEO JOSEPH, Chief Clerk, Secretary's Office, Adm 102, 136 South 29th street.
- LOOMIS, ALICE MARIE, A. M., Professor of Home Economics (Head of Department of Home Economics) (1913, 1912), H E, Floral Court (AS, A, T, G).
- LORD, JOHN PRENTISS, M. D., F. A. C. S., Professor of Orthopedic Surgery, 830 City National Bank Building, Omaha (M).
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- LUCAS, NANCY MARION, Stenographer in Home Economics Department, H E, Havelock.
- LUCKEY, GEORGE WASHINGTON ANDREW, Ph. D., Dean of the Graduate School of Education, Professor of Education (Head of Department of Education) (1914, 1895), U 209, 1439 R street (AS, T, G).
- LYMAN, RUFUS ASHLEY, A. M., M. D., Dean of the College of Pharmacy and Professor of Physiology and Pharmacology (Head of Department of Physiology and Pharmacology) (1915, 1902), N 7, 1649 South Twenty-first street (P, G, AS, T).
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- MARTIN, OSCAR ROSS, A. M., Associate Professor of Accounting and Business Administration (1915, 1913), U 103, 1808 South Twenty-second street (AS, P).
- MAXEY, EDWIN, D. C. L., Ph. M., Professor of Public Law and Diplomacy (1906, 1906), Law, 1555 South Twentieth street.
- MAXWELL, GEORGE EARL, B. S. A., A. M., Assistant Professor of Dairy Manufactures (1917, 1915), D, 3302 W street.
- MAYNARD, WILLIAM DOTY, A. M., Instructor in Romance Languages (1916, 1916), U 305 Y. M. C. A. (A).
- MELICK, FLORENCE HAZEL, Secretary to the Head of the Department of Mechanical Engineering, M E 203.
- MELICK, MARIAN MAUD, Secretary to Dean of the College of Engineering, M 204.
- MEREDITH, LOUISE, A. B., Instructor in Home Economics (Extension), (1916, 1916), 1625 D street (A).
- MEREDITH, MAMIE J., A. B., Assistant in English and History, School of Agriculture, 1625 D street.
- MERRILL, WILLIAM S., Farm Foreman, Curtis.
- MICKEL, CLARENCE EUGENE, Assistant in Entomology, 3214 U street.
- MICKEY, CLARK EDWIN, B. Sc. in M. E., B. Sc. in C. E., Associate Professor of Applied Mechanics and Machine Design (1917, 1908), M 101, 1212 South Twenty-fourth street (E).
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- NEEDHAM, DAISY JEANETTE, A. M., Assistant Professor of European History (1916, 1907), T, 2026 A street.
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- PICKUP, NELLIE BUNCHER, Assistant in Department of English Language and Literature, L 301, 725 South Tenth street.
- PIER, HAROLD BROCKWAY, B. Sc. in Agr., Assistant Professor of Animal Husbandry (1916, 1914), Agr H 104, 226 North Twenty-seventh street.
- PILCHER, JAMES DOUGLAS, Ph. B., M. D., Professor of Pharmacology (Head of Department of Pharmacology) (1916, 1914), Omaha (M).
- PLUM, HARLEY MARTIN, B. A., M. A., Ph. D., Professor of Agricultural Chemistry (1917, 1913) E S, 2603 Vine street (A, G).
- POLLARD, CHARLES WHITNEY, A. B., M. D., Assistant Professor of Obstetrics, 2962 Pacific street, Omaha (M).
- POOL, RAYMOND JOHN, A. M., Ph. D., Professor of Botany, Curator of the Herbarium (Head of the Department of Botany) (1915, 1907), N 104, 1224 South Twenty-first street (AS, P, T, G).
- ¹POPE, WALTER LINDON, A. B., J. D., Assistant Professor of Law (1914, 1914), Law 206, 709 First National Bank Building, 1320 South Sixteenth street (L).
- POTTS, JOHN BEEKMAN, M. D., Instructor in Ophthalmology and Otology, Omaha.
- POUND, LOUISE, Ph. D., Professor of the English Language (1912, 1900), L 301, 1632 L street (AS, G).
- POWERS, JOSEPHINE E., Stenographer in Animal Husbandry Department, 1044 South Eleventh street.
- POYNTER, CHARLES WILLIAM MCCORKLE, B. Sc., M. D., Professor of Anatomy (Head of Department of Anatomy, Histology and Embryology) (1916, 1905), 4010 Harney street, Omaha (M).
- PRATT, GEORGE, B. Sc., M. D., Instructor in Medicine, Omaha.
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- PROPPS, DAVID HENRY, B. S. A., Assistant Professor of Dairy Husbandry (Extension), D, 1601 N street, University Place (A).
- PUGSLEY, CHARLES WILLIAM, B. Sc., Director of Extension Service in College of Agriculture and Professor of Agricultural Extension (1914, 1908), Agr H 302, 3260 Starr street (A, G).
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- QUINLAN, MARGARET FLAVILLA, Stenographer and Clerk, Omaha.
- RABAK, WILLIAM, Ph. G., B. Sc., Instructor in Agricultural Chemistry (1916, 1916), E S 105, 1107 K street (A).
- RAECKE, WALTER RUDOLF, Library Assistant, Law, 1427 R street.
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- RAUB, LEO GERARD, A. B., Assistant in Physics, B 113, 3243 Q street.
- RAYMOND, CARRIE BELLE, Director of Music (1907, 1894), L 304, 1414 I. street (AS, T).
- REED, ALBERT ALISON, A. M., Inspector of Accredited Schools and Professor of Secondary Education, Acting Director of University Extension (Head of Department of Secondary Education) (1914, 1907), Adm 203, 1251 South Twenty-seventh street (T, AS).
- ¹REED, GUY EUCLID, A. B., Manager of Athletics (with rank of Assistant Professor), G 104, 2958 Plymouth avenue.
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- ¹REIMUND, HARRY H., Assistant in Study Room, School of Agriculture, 1245 T street.
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- RICE, EUGENE, University Messenger, Adm 103, 1019 F street.
- ¹RICHARDS, HELEN, Bulletin Clerk, Farm.
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- SHERMAN, LUCIUS ADELNO, Ph. D., LL. D., Dean of the Graduate College and Professor of English Language and Literature (Head of Department of English Language and Literature) (1906, 1882), Adm 105, 1234 J street (AS, G).
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- SJOGREN, OSCAR WARNER, B. Sc. in A. E., Assistant Professor of Agricultural Engineering (1916, 1916), A E 206, 3010 Starr street.
- SKINNER, CLARENCE AURELIUS, Ph. D., Professor of Physics (Head of Department of Physics) (1912, 1899), B 114, 1602 Poplar street (AS, G).
- SKINNER, LEWELLYN TERRY, B. Sc. in Agr., Associate Professor of Agricultural Extension and State Leader in Junior Extension Service (1917, 1915), Agr H 301, 3205 Vine street

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- ¹SMITH, RAYMOND ALBERT, A. B., Assistant in Secretary's Office, 2503 S street.
- SMITH, THOMAS HOLT, Instructing Mechanic (1916, 1916), (E).
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- STOUT, OSCAR VAN PELT, C. E., Dean of the College of Engineering and Professor of Civil Engineering (Head of the Department of Civil Engineering) (1912, 1891), M 204, 524 North Sixteenth street (E, G).
- STUFF, FREDERICK AMES, A. M., Litt. D., Professor of English Language and Literature (1912, 1902), L 301, 434 South Twenty-eighth street (AS, T, G).
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- THOMPSON, ELIZABETH E., Library Assistant, L, 2910 P street.
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- THOMSON, RAY T., B. Sc., Fellow in Botany, 516 North Sixteenth street.
- THORSON, THEODORE, B. S. A., Assistant Professor of Dairy Manufactures (1917, 1915), D, 1401 North Thirty-third street.
- TOMLINSON, CHARLES CREIGHTON, M. D., Instructor in Dermatology, Omaha.
- TOOL, ARTHUR QUINCY, B. Sc., M. A., Ph. D., Assistant Professor of Physics (1916, 1908-1909), B 115, 1540 South Eighteenth street.
- TOWNE, SOLON RODNEY, A. M., M. D., Professor of Hygiene and State Medicine, 446 Brandeis Building, Omaha (M).
- TOWNSEND, L. A., Instructor in Animal and Dairy Husbandry, Curtis.
- TUCKERMAN, LOUIS BRYANT, JR., A. B., Professor of Theoretical Physics (1916, 1906), B 119, 3111 S street (E, G, AS).
- TUTTLE, SAMUEL JOHNSON, A. M., LL. B., Professor of Law (1909, 1909), L, 3012 O street (L).
- ¹UNRUH, GEORGE OVERTON, B. Sc., County Agent Work (Extension), Chadron, Nebraska.
- UPSON, FRED WILBERT, B. Sc., M. A., Ph. D., Professor of Agricultural Chemistry (Head of the Department of Agricultural Chemistry) (1913, 1913), E S 101, 3226 W street (G, A).

¹Resigned.

- ¹VAN BUREN, FREDERICK ARTHUR, M. D., Instructor in Anatomy, 2552 Ames avenue, Omaha.
- VANCE, JULIA, A. B., B. Sc., Associate Professor in Home Economics (1917, 1915), Orlo (A).
- ¹VAN DRIEL, JULIA, A. B., Scholar in Germanic Languages, 1220 R street.
- VAN KIRK, MARY STANDERWICK, Instructor in Home Economics (1913, 1913), H E 305, 2521 R street.
- ¹VARNEY, KATHRYN, Library Assistant, 2042 South Nineteenth street.
- ¹VASEY, HARVEY ELMER, A. M., Assistant Professor of Agricultural Botany, P I 301, 2601 Q street (A).
- VINING, SARAH LOUISE, Supervisor of Cafeteria, H E, University Farm.
- VINING, W. H., Assistant in Agricultural Extension Department.
- VIRTUE, GEORGE OLIEN, Ph. D., Professor of Economics and Commerce (1909, 1909), U 101, 1415 C street (AS, G, P, E).
- VOSE, LEONARD OWEN, B. Sc., Assistant in Bacteriology and Pathology, N 301, 709 South Eleventh street.
- VOSS, ADOLPH MAX, A. B., Assistant Inspector of Accredited Schools, Adm 203, 2741 Randolph street.
- VOTAW, WILLIAM WARD, Assistant Superintendent of Grounds and Buildings, Adm 207, 3044 Q street.
- WAITE, HERBERT HAROLD, A. M., M. D., Professor of Bacteriology and Pathology (Head of Department of Bacteriology and Pathology) (1907, 1902), N 306, 2144 B street (AS, P, G).
- WALIZER, ELIZABETH, Stenographer to Purchasing Agent, 707 South Twenty-seventh street.
- WALKER, ELDA REMA, Ph. D., Associate Professor of Botany (1913, 1906) and in Charge of Botanical Library, N 103, 1507 R street (AS, G).
- WALKER, LEVA BELLE, A. M., Associate Professor of Botany (1914, 1907) and in Charge of Botanical Storeroom, N 105, 1507 R street (AS, P).
- ²WALLACE, CHARLES WILLIAM, Ph. D., Professor of English Dramatic Literature (1912, 1901), L 301 (AS, G).
- WAMBEAM, FLOYD, B. Sc., Editor of Agricultural Publications (1916, 1916), Agr H 204, 3225 Holdrege street (A).
- WARD, GEORGE H., Engineer in Charge of Grounds and Buildings, Curtis.
- WARD, WYLIE R., B. Sc., Assistant in Agronomy, E S 110, 1400 North Thirty-seventh street.
- WARDEN, CARL JOHANN, A. M., Fellow in Philosophy, 1317 S street.
- WARNER, ESTHER, A. B., Home Demonstration Agent (Extension), Seward.
- WARNER, KENNETH F., M. S., Assistant Professor in Animal Husbandry (Extension) Agr H 104, 1619 R street (A).
- ¹WARNER, REGINALD DEKOVEN, A. M., Instructor in Romance Languages (1915, 1915), Y. M. C. A.
- WARREN, CHARLES RAY, Clerical Assistant in Secretary's Office, Adm 102, 1237 T street.
- WATERS, CHESTER HILL, B. Sc., M. D., Instructor in Gynecology, 1511 Capital avenue, Omaha.
- WATSON, CURRY WATHAN, B. Sc., Assistant Professor of Agricultural Extension and Assistant Leader in Junior Extension Service (1917, 1914), Agr H 301, 3136 Holdrege street.
- WATSON, MERTIE BELL, Stenographer, Farm Offices, E S 109, 2201 Vine street.

¹Resigned²Absent on leave.

- WATSON, MINNIE FRIED, Instructor of Normal Training, School of Agriculture, 3136 Holdrege street.
- WEAVER, JOHN ERNST, Ph. D., Associate Professor of Botany (1916, 1915), N 102, 140 North Twenty-eighth street (AS, G).
- WEBSTER, EDITH LENORE, A. B., Assistant Professor of Geology (1916, 1909), Mus 201, 534 North Twelfth street (AS).
- WEBSTER, HUTTON, Ph. D., Professor of Social Anthropology (1907, 1907), Law 102, 1336 D street (AS, G, T).
- ¹WEDEKING, ALBERT J., A. B., Instructor in German (1914, 1914), U 108, 1961 Cherry street.
- WEINARD, FRED FRANCIS, B. Sc., Scholar in Botany, 1411 South Eleventh street.
- WEKESSER, AMELIA, Stenographer in Agricultural Extension Department, 904 E street.
- WESTERMANN, MAX, Assistant Secretary of the Board of Regents, Adm 102, 1535 C street.
- WESTHOFF, JAMES, A. B., B. Sc., Scholar in English History, 134 South Seventeenth street.
- WHALEY, FRANCES ALICE, A. M., Assistant in Secretary's Office, 2812 R street.
- WHERRY, WILLIAM PENALUNA, M. D., Instructor in Laryngology and Rhinology, 471 Brandeis Building, Omaha.
- ¹WHITE, GEORGE F., Assistant to Superintendent of Grounds, Adm 207, Victoria Hotel.
- WHITNEY, DAVID DAY, Ph. D., Professor of Zoology and Anatomy (1916, 1916), N 207, 1234 A street (AS, G).
- WIGTON, HARRISON ALONZO, B. Sc., M. D., Clinical Assistant in Surgery, 1820 Vinton street, Omaha.
- ²WILCOX, EDWIN MEAD, Ph. D., Professor of Agricultural Botany and Botanist of Experiment Station (Head of Department of Agricultural Botany) (1911, 1908), P I 305, 1923 B street (A, G).
- WILKINSON, HARRY ROBERT, A. B., Athletic Director and Instructor in Mathematics and History, Curtis.
- WILLARD, WILLIAM ALBERT, Ph. D., Professor of Anatomy (1916, 1902), 4012 Harney street, Omaha (M, G).
- WILLIAMS, CYRUS VANCE, A. M., Superintendent of Nebraska School of Agriculture, Curtis.
- WILLIAMS, HATTIE PLUM, Ph. D., Associate Professor of Practical Sociology (1915, 1915), Law 106, 407 North Twenty-sixth street (AS).
- WILLIAMS, HOBART FLOYD, B. S. A., Assistant Professor of Farm Management (Extension) (1916, 1916), Agr H 307, Y. M. C. A.
- WILLIAMS, TERRY ARTHUR, Agent, Student Activities, Adm B 7, 3205 Vine street.
- WILLIS, EUNICE AMY, Head of the Stenographic Bureau, Adm 206, 2306 South Fourteenth street.
- ¹WILSON, ALVA, B. Sc., Scholar in Zoology, Bethany.
- ¹WILSON, EVERETT C., Assistant in Library, 1040 Q street.
- WILSON, HARRIETT, Librarian of the Medical College Library, Omaha.
- WILSON, HENRY H., A. M., LL. M., Professor of Law (1900, 1891), Law, 1928 E street (L).
- WILSON, MAUDE MATHES, B. Sc., Associate Professor of Home Economics (Extension) (1917, 1913), Agr H 301, 124 North Twenty-fourth street.
- WIMBERLY, LOWRY CHARLES, Assistant in Rhetoric, 424 South Twenty-first street.

¹Resigned.

²Joint Director of a state bureau for the study of Plant Diseases and Destructive Insects in connection with Experiment Station.

- ¹WINTER, MABEL, Assistant in Stenographic Bureau, 1331 J street.
- WISHERD, MAUDE E., Library Assistant.
- WITTIE, ELLA CETONIA, Instructor in Public School Drawing, L 307, 40th and Sheridan Boulevard (AS).
- WOLCOTT, ROBERT HENRY, A. M., M. D., Professor of Zoology (Head of Department of Zoology) (1913, 1894), N 206, 2100 B street (AS, P, T, G).
- WOLFE, HARRY KIRKE, Ph. D., Professor of Philosophy (Head of Department of Philosophy) (1909, 1906), L 111, 1727 J street (AS, G, T).
- WOOD, IVAN DALEY, M. A., Assistant Professor of Agricultural Engineering (Extension) (1914, 1912), A E A 201, 122 Floral Court (A).
- WOODWARD, EDWIN GARVER, B. S. in Agr., M. S., Professor of Dairy Husbandry (1917, 1913), D, Route 4, Box 118 (A).
- WOOSTER, MARGARET, A. M., Fellow in Germanic Languages, 1629 Washington street
- ¹WRIGHT, PAUL B., A. B., Graduate Assistant in Chemistry, University Place.
- WYER, MALCOLM GLENN, A. B., M. L., B. L. S., Librarian (with rank of Professor), L, 2632 Sumner street (AS).
- YOUNG, ALEXANDER, M. D., Professor of Nervous and Mental Diseases (1917, 1917), Omaha
- YOUNG, C. F., County Agent Work (Extension), Hubbard.
- YOUNG, HORACE JAMES, B. Sc. in Agr., Assistant Professor of Agronomy (1913, 1911), E 110, 2625 Orchard street (A).
- ¹ZETHMAYR, GORDON J., B. Sc., Graduate in Physics, 1341 E street.
- ZIMMER, MARY VIRGINIA, A. B., Assistant Professor of Mathematics, School of Agriculture, Agr H 207, 42d and Holdrege streets.
- ZIMMERMAN, MABEL, Library Assistant, L, 631 North Twenty-fourth street.

¹Resigned.

**General Information
Concerning the University**

General Information Concerning the University

THE UNIVERSITY

Colleges and Schools of the University. By statute, the University of Nebraska comprises the following colleges and schools:

The Graduate College, including the Graduate School of Education.
The College of Arts and Sciences, including the Schools of Fine Arts and Commerce.

The Teachers College, including the Teachers College High School.
The College of Engineering.

The College of Agriculture, including the Schools of Agriculture.

The College of Law.

The College of Medicine.

The College of Pharmacy.

Information as to the object and work of each of these colleges may be found by consulting the portion of the catalog devoted to each.

In addition to the foregoing, the University Board of Regents is, by law, the governing board for the Nebraska Agricultural Experiment Station, and of the Experimental Substations at North Platte, Valentine and Scottsbluff; it has entrusted to its care the Agricultural Extension Service; and the state has created a bureau for the study of Plant Diseases and Destructive Insects with the professors of Agricultural Botany and of Entomology respectively in charge as State Agricultural Botanist and State Entomologist.

Equipment of the University. The grounds and buildings of the University are distributed among three groups: (1) the original campus, situated in the capital city of Lincoln, with its main entrance at Eleventh and R streets, and containing seventeen buildings devoted to Academic, Law, Pharmaceutical and Engineering instruction; (2) the University Farm, of three hundred and twenty acres, two and a half miles northeast of the original campus, containing ten buildings devoted to instruction in Agriculture and Home Economics; (3) the Medical College buildings in Omaha, at Forty-second and Dewey Avenue. Adjacent to this campus and on land belonging to the state is the new Child-Saving Institute, the clinical facilities in which are under the control of the University. The various libraries, laboratories, museums and collections of the University, available for use by students of the University, are described in those portions of the catalog devoted to the Colleges or Schools with whose work they are chiefly connected.

Government of the University. The Chancellor, chosen by the Board of Regents, is the chief executive officer of the University; subject to the rules and orders of the Board he has both pedagogical and business supervision over the University as a whole, over the various Colleges, and over all the affairs and interests of the University. For each of the Colleges within the University the Board of Regents elects a Dean, to be the presiding officer of the faculty of his College and to perform such other duties as the Board or the faculty of his College may require. The faculty of each College, subject to the Chancellor and the Board, determines upon all matters relative to the internal affairs of its College. A University Senate, corresponding to the "general faculty" of other universities, and subject to the Chancellor and Board, determines questions which concern more than one College or the University as a whole. The Chancellor, Deans, heads and acting heads of departments, and such other members of staff as the Regents may name are voting members of the senate.

Revenues of the University. By an amendment in 1899 of the original act of incorporation (1869), a tax of one mill upon the grand assessment roll of the state is provided for the support of the University. Added to this are incomes from land leases and sales under the land-grant act of Congress of 1862 for the benefit of the Industrial College,¹ and under the enabling act reserving seventy-two sections of land for the State University; interest on permanent fund investments; and the money grant by the act of Congress, commonly known as the Morrill Act, August, 1890, and by the Hatch Fund Act of 1887, and the Adams Act of 1906 supplemental thereto. In addition to this are the fees paid by students for various purposes. The state legislature of 1913 appropriated a three-fourths mill levy for six years for permanent development of the University, leaving the location to be determined by a vote of the people at the general election in 1914 at which election it was voted to extend the present campus.

History of the University. The University of Nebraska was founded by an act of the Nebraska legislature, effective February 15, 1869. The subsequent new constitution of 1875 recognized the University as thus established, placed it under the general control of an elective board of six regents, and made certain fundamental provisions as to its organization and administration. The next legislature (1877) revised the act of 1869 in accordance with the provisions of the new constitution. Under this revised act (Compiled Statutes of Nebraska, Chapter 87), as slightly amended by the legislatures of 1909¹ and 1915 the University is at present organized and operating.

¹In 1909, the Industrial college was erected into the colleges of Agriculture and Engineering by the state legislature; the same legislature authorized the creation of the Graduate college and the Teachers college.

THE UNIVERSITY YEAR

The year's work of the various Colleges and Schools of the University in general falls into the following subdivisions:

The First Semester, beginning the second Wednesday after the first Monday in September, and continuing eighteen weeks. The Mid-Winter Commencement, for those finishing their work at the end of a first semester, is held on University Charter Day (February 15), except when it falls on Saturday or Sunday, in which case the exercises are held on the preceding Friday or the succeeding Monday.

The Second Semester, beginning about February 1, and continuing eighteen weeks. The Spring Commencement, for those completing a course at the end of a second semester, occurs on Wednesday of the week of the regular June meeting of the Board of Regents. This meeting is held on the first Tuesday after the first Wednesday in June of each year.

The Summer Session, usually beginning the week of the spring commencement and continuing eight weeks. Commencement exercises for those completing their University course at the end of a summer session are held on the last Friday of the summer session.

ADMISSION TO THE UNDERGRADUATE COLLEGES OF THE UNIVERSITY

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

The requirements for admission to each of the colleges vary only in a small degree except that in addition to the requirements below under "Admission to Freshman Standing" is required, *for admission to the college of Law* thirty hours¹ of academic work, *for admission to the College of Medicine*, the two year premedical course in this institution or sixty hours of academic work, including physics, 6 hours; zoology, 6 hours (including vertebrate anatomy); chemistry, 10 hours; German, 10 hours and *for admission to the Teachers College* twenty-four hours of academic work. Students in the Teachers College are also matriculated in another College of the University which grants the bachelor's degree. Work from another institution offered to meet the above academic requirements will be evaluated as indicated below under "Admission to Advanced Standing."

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College of the University which the applicant may wish to enter, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below under "Admission by Certificate," and in the subjects for the amount indicated below under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Applicants for admission to the College of Agriculture as graduates of the University Preparatory Course of the School of Agriculture must secure from the Principal of the School of Agriculture an official certified statement of record and file the same with the Registrar. The above named applicants

are admitted to complete freshman standing in the College of Agriculture without examination.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated, the time element as indicated above in the definition of an *entrance point is essential*.

Required Subjects	Points
English.....	4
History (European) (a).....	2
Language (foreign) (b).....	6 to 4
Mathematics (algebra and geometry) (b).....	4 to 6
Science (laboratory) (c).....	2 [or 4 (b)]
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school.....	12
Total.....	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirements.

(b) Language and mathematics—

College of Agriculture—Ten points of foreign language and mathematics are required with a minimum of four points in either. But a second year of laboratory science may be offered in place of a third year of foreign language. Foreign language is not required for entrance to the two year Agricultural Practice Group.

College of Arts and Sciences—Ten points of foreign language and mathematics are required with a minimum of four points in either. In the Academic-Medical course Greek or Latin is recommended.

College of Engineering—Four points of foreign language, three points algebra and three points geometry are required.

College of Law—Same as for the College of Arts and Sciences, (except that in addition thirty college hours of academic work are required).

College of Medicine—Same as for the College of Arts and Sciences, except that Greek or Latin is recommended, (and in addition sixty college hours of academic work, including chemistry 10 hours, German 10 hours, physics 6 hours, zoology 6 hours).

College of Pharmacy—Ten points of foreign language and mathematics are required, with a minimum of four points in either.

Teachers College—Same as for the College of Agriculture or the College of Arts and Sciences, (except that in addition twenty-four college hours of academic work are required).

(c) Science—

For entrance to the College of Agriculture both physics and chemistry are desirable, but either a full year of physics or of chemistry should be offered. Students offering only a half year of either cannot continue their study in the College without registering for the elementary course. A second year of laboratory science may be offered in place of a third year of foreign language.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that College of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for

admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration week each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until fees are paid and the application for registration filed in the office of the Registrar. A like fee of \$3 is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester nor for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extension of time may be granted by instructors to students for removing a "condition" or "incomplete."

ACCREDITED SCHOOLS

The University of Nebraska maintains two lists of accredited schools, a four-year list and a junior list. The graduates of the four-year list are admitted to the university (and to nearly all of the colleges and universities of the United States) without entrance examinations in subjects that are

properly certified as completed within these schools. Unless a graduate of an accredited school, a candidate for admission must be prepared to take examination in those subjects in which he desires entrance credit.

"Accredited" schools are such as, under annual inspection by the University inspector of accredited schools, are found to have a well-balanced program of studies, satisfactory laboratory equipment and library facilities and a teaching force adequate in number and competent in scholarship and professional training to accomplish the work they are undertaking. This list of accredited schools is published yearly in the General Catalog, the University Journal, and the High-School Manual. Any public or private high school or academy desiring to be placed on the accredited list should make request to the Inspector of Accredited Schools. The High-School Manual, giving detailed information in regard to accredited schools, including general and departmental suggestions as to courses of study and methods of instruction, and the list of accredited schools, is sent upon application to the Registrar.

Certificates of graduation from schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank will entitle the holder to admission without examination.

Standards for Accrediting Schools

1. Not less than thirty points required for graduation.
 2. The minimum academic and professional preparation of teachers equivalent to four years beyond a four-year high school course. In determining this equivalence, two years of experience in grammar grades or secondary schools to be considered equivalent to one year of higher preparation.
 3. Not to exceed six daily recitations for each teacher.
 4. Laboratory and library facilities adequate to the needs of instruction in the subjects taught.
 5. The location and construction of the buildings, the lighting, heating, and ventilation of the rooms, the nature of the lavatories, corridors, closets, water supply, school furniture, apparatus and methods of cleaning such as to insure hygienic conditions for both pupils and teachers.
 6. Efficiency of instruction, acquired habits of thought and study, general intellectual and moral tone of the school evidenced by inspection.
 7. At least three instructors giving entire time to secondary subjects.
- All schools are asked to make a detailed report in September, giving information necessary for bringing the condition of the schools before the committee. Schools that have been previously accredited and that have not made much change in the teaching force, may be placed upon the accredited list for the current year immediately. New applicants and schools that have made material changes in the teaching force will not be accredited until after a visit of inspection.

There must be at least two instructors in Junior Accredited schools giving their time to secondary school work. It is recommended that at least one of the instructors meet fully the standard of qualifications applying to fully accredited schools.

Should a school approximate these standards, the High-School Manual and a statistical blank for information will be sent. If the reply is satisfactory, an inspector will visit the school, and the committee on accredited schools will take such action as his report may justify.

Schools are accredited annually, the official list being announced before the close of the second semester of the current year. Such lists may be secured on application to the High School Inspector. The following secondary schools were accredited to the University of Nebraska for the year 1915-16, each to receive not to exceed the maximum credit granted to the class to which it belongs:

Four Year Schools—Group A

This group consists of schools that are accredited to the North Central Association of Colleges and Secondary Schools, and such other schools as meet the above standards:

¹ Albion	¹ Crete	¹ Hastings Academy
¹ Alliance	Dodge	¹ Havelock
¹ Alma	Dorchester	¹ Hebron
¹ Ashland	Edgar	¹ Holdrege
¹ Auburn	Elgin	Hooper
¹ Aurora	Emerson	¹ Humboldt
¹ Beatrice	Exeter	¹ Kearney
Beaver Crossing	¹ Fairbury	Kenesaw
Bellevue Pioneer	¹ Fairfield	¹ Kimball (Kimball
Union	¹ Fairmont	County)
¹ Benson	¹ Falls City	¹ Lexington
¹ Blair	¹ Franklin Academy	¹ Lincoln
¹ Broken Bow	¹ Fremont	Luther Academy
¹ Brownell Hall	¹ Friend	(Wahoo)
(Omaha)	¹ Fullerton	Lyons
Burwell	¹ Geneva	¹ McCook
¹ Central City	Genoa	¹ Madison
Chadron	¹ Gothenburg	Mead
Clarks	¹ Grand Island	Meadow Grove
¹ Columbus	Grand Island	¹ Minden
Cotner Academy	Academy	Mt. St. Mary's Semi-
(Bethany)	Hardy	nary (Omaha)
¹ Creighton Academy	¹ Harvard	¹ Nebraska City
(Omaha)	¹ Hastings	

¹Accredited by the North Central Association of Colleges and Secondary Schools.

Nebraska Military Academy (Lincoln)	¹ Osceola	Sutton
Nebraska School of Agriculture (Curtis)	¹ Pawnee City	Syracuse
¹ Nebraska Wesleyan Academy (University Place)	Plainview	¹ Teachers' College (Lincoln)
Neligh	Ponca	¹ Tecumseh
¹ Nelson	¹ Ravenna	¹ Tekamah
Newman Grove	¹ Red Cloud	Union College Academy (College View)
¹ Norfolk	St. Edward	¹ University Place
¹ North Bend	Sacred Heart Academy (Omaha)	¹ Wahoo
¹ North Platte	School of Agriculture (Lincoln)	Wayne
Omaha	¹ Schuyler	Weeping Water
¹ Central	¹ Scottsbluff	¹ West Point
¹ South	¹ Seward	Wilber
Ord	¹ Shelton	Wisner
Orleans	¹ Sidney	¹ York
	Stanton	York College Academy
	Stella	
	¹ Stromsburg	
	¹ Superior	
	Sutherland	

Four Year Schools—Group B

Schools fully accredited but not meeting fully the standards mentioned above as to the preparation of the teaching staff or laboratory and library facilities:

Adams	Blue Hill	College View
Ainsworth	Blue Springs	Cook
Ansley	Brady	Cowles
Arapahoe	Bridgeport	Cozad
Arlington	Butte	Craig
Atkinson	Cambridge	Crawford
Bancroft	Campbell	Creighton
Bartley	Cathedral (Lincoln)	Crofton
Battle Creek	Cedar Bluffs	Culbertson
Beaver City	Cedar Rapids	Dana College Academy (Blair)
Benkelman	Chase County (Imperial)	Davenport
Bertrand	Chester	David City
Bethany	Clarkson	DeWitt
Bladen	Clay Center	Diller
Bloomfield	Coleridge	Dunbar
Bloomington		

¹Accredited by the North Central Association of Colleges and Secondary Schools.

Edison	Maxwell	St. Mary's Academy
Elmcreek	Merna	(O'Neill)
Elmwood	Milford	St. Paul
Eustis	Milligan	Sacred Heart
Ewing	Mitchell	(Omaha)
Franklin	Morrill	Sargent
Gering	Nebraska Central	Scribner
Gibbon	College Academy	Shelby
Giltner	(Central City)	Silver Creek
Gordon	Nehawka	Spalding Academy
Grafton	Newcastle	Spencer
Grant County	North Loup	Springfield
(Hyannis)	Oakdale	Sterling
Greeley	Oakland	Stratton
Greenwood	Odell	Stuart
Gretna	Ogallala	Swanton
Guide Rock	O'Neill	Table Rock
Hartington	Orchard	Talmage
Hebron Academy	Overton	Thomas County
Hickman	Oxford	(Thedford)
Hildreth	Papillion	Tilden
Holbrook	Pender	Trenton
Howells	Perkins County	Ulysses
Immaculate Concep-	(Grant)	Union
tion Academy	Pierce	Valentine
(Hastings)	Pilger	Valley
Indianola	Plattsmouth	Wakefield
Jackson	Polk	Waterloo
Laurel	Randolph	Wausa
Lawrence	Rising City	Western
Liberty	Rushville	Whitton-Carlisle
Lodge Pole	St. Bernard Academy	(Lincoln)
Louisville	(Nebraska City)	Wilsonville
Loup City	St. Catherine Acad-	Wood River
Lynch	emy (Jackson)	Wymore
Mason City		

Four Year Schools—Group C

The graduates of this group may receive 28 points on credentials from their schools, giving them conditional admission to college or university. Additional credits may be secured by examination:

Alexandria	Holy Family Acad-	Potter
Brainard	emy (York)	Rock County
Cortland	Holy Trinity	(Bassett)
Dawson	(Hartington)	St. Francis Academy
Deshler	Hooker County	(Columbus)
Deuel County	(Mullen)	St. John's (Omaha)
(Chappell)	Humphrey	Sacred Heart Acad-
Elkhorn	Juniata	emy (Falls City)
Garden County	Kearney Military	Shickley
(Oshkosh)	Academy	Steele City
Gosper County	Long Pine	Valparaiso
(Elwood)	Maywood	Verdon
Haigler	Minatare	Walthill
Hampton	Monroe	Wheeler County
Hayes County	Naponee	Winside
(Hayes Center)	Newport	(Bartlett)
	Osmond	

Junior Accredited Schools

The graduates of these schools may receive conditional admission to the university upon the completion of sufficient additional work in an accredited school to secure the minimum of 28 points:

Allen	Florence	Prague
Arcadia	Ft. Calhoun	Republican City
Beemer	Herman	Rosalie
Bristow	Homer	Rulo
Brock	Johnson	Shubert
Callaway	Kennard	Sioux County
Carleton	Keya Paha County	(Harrison)
Carroll	(Springview)	South Sioux City
	Leigh	Tobias
Dakota City	McCool	Utica
Daykin	Niobrara	Verdigre
Doniphan	Palisade	Weston
Douglas	Palmyra	Wolbach

For additional information regarding the accrediting of schools address the Inspector of Accredited Schools, The University of Nebraska, Station A, Lincoln, Nebraska.

CORRESPONDENCE STUDY

Correspondence courses for credit are offered thru the Department of University Extension. For full information see the bulletin of that department.

Requirements for College Credit. Three hours preparation constitute the minimum requirement in Extension work in any and all subjects for one hour of college credit. No credit is given without the approval of the head of the department in which the Extension work is taken. The final examination is given under such rules and regulations as the head of the proper department may require. Only one-half of the unit hours required for graduation may be taken in correspondence study.

Requirements for Entrance Credit. Ten hours of preparation each week for one semester or a period of sixteen weeks constitute the minimum requirement in the Extension work for a credit point for entrance to the University. No entrance credit is granted without the approval of the head of the proper department.

THE SUMMER SESSION

The requirements for admission to the summer session correspond to those of the semestral sessions as given under "Admission to the University" on preceding pages. All who register in the summer session are required to matriculate in some one of the eight colleges of the University unless this has been done previously.

Credit

Nine hours of college credit is the maximum allowed. All courses in the Summer Session carry college credit which will apply toward the requirements for a degree.

THE GRADUATE COLLEGE

Classes of Graduate Students. The Graduate College recognizes three classes of applicants: those who, having taken a bachelor's degree, wish to broaden their education without reference to higher degrees; those who wish to be candidates for advanced degrees, but are deficient in undergraduate preparation; and those who are eligible to candidacy, and wish to enter at once upon their special work. Those who do not wish to be candidates for an advanced degree are at once admitted, on evidence of graduation, to approved work in the Graduate College. Persons presenting first degrees in Law or Medicine or Theology may be admitted in this class. Those seeking advanced degrees, with insufficient preparation, are admitted to graduate standing, but must at once make up their deficiencies by taking courses in the undergraduate colleges. On completion of these assigned or arranged courses, such students become applicants of the third class, and are eligible to candidacy for the degree desired.

For information regarding Graduate work in Engineering see the Bulletin of the College of Engineering, in Medicine, see the Bulletin of the College of Medicine.

For courses of instruction see the Bulletin of the Graduate College.

Degrees. The degree of Doctor of Philosophy, Master of Arts, Master of Science, Agricultural Engineer, Architectural Engineer, Civil Engineer, Electrical Engineer, and Mechanical Engineer are conferred on registered students, by the Board of Regents, upon recommendation of the Graduate faculty.

ADMISSION TO THE GRADUATE SCHOOL OF EDUCATION

Requirements. The Graduate School of Education is open only to graduate students who have met the conditions of registration in the Graduate College. To obtain the graduate teacher's diploma the student must have received the master's or doctor's degree from the Graduate College of this institution. The major, or major and minors, leading to the above degrees are departmental functions and may be elected at will by the student. The major for the master's degree, in most departments, covers about twelve semestral hours of graduate study plus a thesis showing original investigation; the minor varies from eight to twelve semestral hours of classroom work. In addition to the major, or major and minor, which represent the subjects the student is preparing to teach, there are eighteen semestral hours of graduate courses in education and psychology, twelve in the former and six in the latter. This requirement may be reduced to twelve semestral hours, eight in education and four in psychology provided the previous professional preparation of the student justifies; or the additional six hours, four in education and two in psychology, may be elected by the student from graduate pedagogical courses offered in other departments. Courses one and two in Education and one and two in Philosophy as offered in this University are prerequisites to the above professional requirements. When not so offered on entrance they may be taken in class as electives fulfilling part of the requirements. The only fixed requirements are two semestral hours in adolescence and two in educational psychology.

Graduate Teachers' Diploma. The graduate teachers' diploma is conferred on men and women who, thru graduate study, have shown productive scholarship and special fitness for teaching in high schools, normal schools, and colleges. It is the highest recommendation offered by the University to the teaching profession, and covers only the subject or subjects that the student is especially prepared to teach. It is accredited in most of the states as sufficient credential upon which to base teachers' licenses.

To obtain the graduate teachers' diploma one must have fulfilled the requirements as outlined above. This may be accomplished in one year of

graduate study—three summer sessions—by persons who are especially fitted for graduate study and who continue with their strongest interests, others may require a year and a summer session or even two years. The master's or doctor's degree must precede or be granted along with the graduate teacher's diploma. The latter is based on one year of graduate study of not less than thirty semestral hours of credit. The time required to accomplish a given end depends largely on the quality of the student and the nature and importance of his subject.

Graduate students, not candidates for degrees or diplomas, will find in the graduate school of education excellent opportunity to renew their youth and increase their teaching efficiency by profitable advanced study.

FEES AND EXPENSES

The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

UNIVERSITY FEES

General

SCHOOL OF AGRICULTURE

Winter course, registration.....	\$4.00
Regular course, incidental, per year.....	6.00
Special registration fee.....	1.00
(Laboratory fees according to course.)	

CERTIFICATE

For all special courses.....	1.00
Teachers' certificate (with cover).....	2.00
Certificate of degree.....	2.00
Certificate of Teachers' Certificate.....	1.00

DIPLOMA

Diploma fee, first degree	\$5.00
Diploma fee, for advanced degrees	10.00
Diploma fee, in absentia or cum laude, additional	10.00

EXAMINATION (SPECIAL)

Each course, general colleges	1.00
Each subject, Law College	2.00
Advanced standing, Law College	10.00

FINE ARTS

For Students Who Have Not Satisfied Entrance Requirements

Drawing and Painting, including use of studio:

One lesson a week, each semester	10.00
Students under 16 years, one lesson a week, each semester . . .	6.00
Two lessons a week, each semester	18.00
Three lessons a week, with use of studio daily, each semester ..	25.00

China Painting, including use of studio:

One lesson a week, each semester	12.00
Two lessons a week, each semester	23.00
Three lessons a week, each semester	33.00

TEACHERS COLLEGE HIGH SCHOOL

Tuition, each semester, in advance	13.50
Tuition, ¹ special subjects:	

One subject, \$8; two subjects, \$15; three or more subjects, \$20.

Students holding Free High School attendance certificates then in force will be admitted free upon presentation of these certificates. Tuition for such students will be collected from the several districts according to state law and the regulations of the State Superintendent of Public Instruction.

INCIDENTAL

Incidental fee, each semester	3.00
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LAW, COLLEGE OF

Tuition, first semester	25.00
Tuition, second semester	20.00
Tuition, for one semester only	25.00

A pro-rata tuition of not less than \$8 is charged to special students. Students carrying 12 hours or more pay full tuition.

¹These are specially arranged classes in preparatory subjects for University students who are required to make up one or more entrance credits.

LIBRARY

Library fee, each semester.....	\$1.00
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MATRICULATION

Matriculation fee.....	5.00
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MEDICINE, COLLEGE OF—FIRST YEAR

Tuition, first semester.....	65.00
Tuition, second semester.....	60.00
Breakage fee.....	10.00

SECOND YEAR

Tuition, first semester.....	60.00
Tuition, second semester.....	60.00
Breakage fee.....	10.00

THIRD YEAR

Tuition, first semester.....	55.00
Tuition, second semester.....	55.00
Breakage fee.....	10.00

FOURTH YEAR

Tuition, first semester.....	55.00
Tuition, second semester.....	55.00
Breakage fee.....	10.00

(Unused portion of breakage fee is returnable.)

PHARMACY, COLLEGE OF

Tuition, first semester.....	\$20.00
Tuition, second semester.....	15.00
Tuition, for one semester only.....	20.00

A pro-rata tuition of not less than \$5 is charged to Adult Special or unclassified students.

(Laboratory fee according to course.)

REGISTRATION

Special registration fee.....	3.00
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Laboratory

AGRICULTURAL BOTANY

Courses 101, 102, 103, 104, \$2; 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 117, 118, \$3; 115, 116, for each credit hour a semester, \$1; 125, 126, 127, 128, for each credit hour a semester, \$2.

AGRICULTURAL CHEMISTRY

Courses 100D, 100E, 101, 102, 104, 116, 130, 132, \$5; 105, \$3; 106, \$4; 103, \$10; 107, 108, 110, 112, 117, 120, for each credit hour a semester, \$2.

AGRICULTURAL ENGINEERING

Courses 5, 6, 7, 14, 24, 31, 32, 33, 34, \$1; 1, 2, 3, 4, 8, 9, 10, 12, 17, 18, 22, \$3; 15, \$8.

AGRONOMY

Courses 1, 2, 51, 52, \$1.

ANATOMY

Courses (Zoology) 51, 52, 54, \$10; (Zoology) 53, \$15.

APPLIED MECHANICS

Course 15, \$5; 18, \$4; 16, 17, 20, \$3; 25, 26, \$5.

BACTERIOLOGY AND PATHOLOGY

Courses 2a, 3, 4, \$5.

BOTANY

Courses 1, 2, 15, 16, 17, 18, 21, 22, \$2; 3, 4, 5, 6, 19, 20, 23, 24, 25, 26, \$3; 11, 12, 13, 14, 27, 28, 29, 31, 33, 34, \$1; A, \$4; B, C, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, for each credit hour a semester, \$1.

CHEMISTRY

Courses A, B, 1, 2, 21, 34, \$5; 5, 15, 16, 23, 27, 41, \$2; D, 1 and 2, 3, \$10; 14, \$6; 19, 20, \$4; 7, 8, 22, 23a, 39, 40, for each credit hour a semester, \$1; 4, for each credit hour a semester, \$2.

CIVIL ENGINEERING

Course 1, \$1; 5a, 6a, 8, \$3.

DAIRY HUSBANDRY

Courses 1, 2, 9, \$2; 4, 8, 10, 12, \$3; 7, 13, \$4.

ELECTRICAL ENGINEERING

Courses 8, 8a, 9, 10, \$5; 1, 9a, 10a, \$2.

ENTOMOLOGY

Courses 1, 2, 3, 4, 7, 8, 10, 11, \$1; 5, 6, \$2; 15, 16, 17, 18, for each credit hour a semester, \$1.

FINE ARTS

Courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22, 23, 24, \$2.

GEOGRAPHY AND CONSERVATION

Courses 1, 2, 5, 6, 7, 8, 21, 22, 23, 24, 28, 52, \$1.

GEOLOGY

Courses 1, 1a, 2, 13, 18, 25, 27, 31, 33, 34, \$1; 15, 16, \$3.

HISTOLOGY AND EMBRYOLOGY

Course (Zoology) 55, \$3.

HOME ECONOMICS

Courses 1, 2, 8, 9, 10, 11, 12, \$2; 3, 4, 5, 6, \$5; 7, 23, 26, \$3; 24, \$1; 25, \$6.

HORTICULTURE

Course 5, \$3; 20, 23, 24, \$2; 11, 12, 17, \$1.

MECHANICAL ENGINEERING

Courses 1, 2, 3, 5, 16, 17, \$6; 3a, 4, 15, \$5; 18, \$2.

PHARMACY

Courses 21, 22, 23, 24, \$7; 25, 26, 53, 54, \$5; 28, 51, 55, 56, \$6; 52, \$3; 35, 36, 37, 41, 42, 43, 60, for each credit hour a semester, \$2.

PHYSICS

Courses 1, 2, 3, 4, 6, 11, 12, 13, 14, 17, 18, \$4.

PHYSIOLOGY AND PHARMACOLOGY

Courses 1, 2, 3, 6, \$5; 4, 5, \$3; 8, \$8; 10, 11, \$2; 19, 20, for each credit hour a semester, \$2.

PSYCHOLOGY

Course 1, \$1.

ZOOLOGY

Courses 3, 4, 11, 12, 13, 14, 17, 26, 32, 35, \$2; 15, 20, 21, 23, 25, \$3; A, 24, \$4; 18, 22, \$5; 9, 8, \$1; 33, 34, 36, 37, 43, 3 (with additional laboratory work), 4 (with additional laboratory work), for each credit hour a semester, \$1.

UNIVERSITY STUDENT ORGANIZATIONS

Religious.—While the University cannot exercise any official supervision over the religious life and education of the students, it does, however, offer in the department of history, philosophy and literature, many courses in which the principles of morals and religion are discussed and the life teachings of the great religious teachers are considered and the history of great religious and ethical movements is traced.

There are, however, among the student activities voluntary religious organizations which offer advantages of education in morals and religion.

Thru the activities of the Young Men's and Young Women's Christian Associations students have an opportunity of expressing their religious interests in voluntary ways. Religious meetings are held at their headquarters in the Temple, where social and reading rooms are maintained and a general secretary is in charge to direct the activities of these organizations.

The churches of the city without exception extend the privileges of worship and work to the students and faculty. Voluntary courses in the study of religion and Christian Missions are offered with special reference to the mind and need of the students. Some of the churches maintain University Pastors who offer their services freely as counsellors in matters touching the religious life and vocational interests of the students.

These various agencies found within the University community supplement in an unofficial way the work of the University in fulfilling the aim of all true education to prepare the students for leadership in the affairs of human life.

Literary and Social. The Palladian and the Union are open literary societies meeting weekly on Friday evenings in their rooms in the Temple. The University Girls' Club is an organization formed to cultivate friendly and helpful relations among women students irrespective of department, course of study, church or society affiliations. All women students and women members of the faculties are eligible to membership. The Dramatic Club is an organization of students interested in amateur theatricals. It gives several plays each year. Membership is by election. The English Club is a writers' club, composed of advanced students and of instructors interested in writing. The club meets regularly to hear and discuss contributions by its members. Membership is by election. The Deutsche Gesellige Verein, the German Club, the Komensky Club, and the Tegner Society are literary and social organizations, whose main purpose is the study of history and language of Germany, Bohemia, and Scandinavia, respectively. The Latin Club, composed of advanced students in Roman History and Literature, holds regular meetings.

Scientific. The Graduate Club, the Debating Club, the Agricultural Students' Association, the Botanical Seminar, the Chemical Society, the Chemical Journal Club, the Engineering Society, the English and Latin Seminaries, the Latin and Physics Colloquia, the Microscope and Zoological Clubs are more specially collegiate or departmental organizations, concerning which information is given in the various bulletins devoted to the different Colleges and Schools.

Musical. The University Chorus, open to all students, gives each year several cantatas and oratorios and participates in the May Music Festival. The Cadet Band, a military band, gives several home concerts annually and furnishes music on occasions of general University interest. The Glee Club gives concerts in Lincoln and thruout Nebraska and adjoining states.

Military. The Pershing Rifles is an organization of cadets composed of the best-drilled men in the University Cadet Battalion. Membership is by election. The Workizer Rifles is a similar organization in the School of Agriculture Cadet Battalion.

HONORS AND PRIZES

Fellowships and Scholarships, established in the different departments of the University, are available to students registered in the Graduate College. Fees are remitted to Fellows and Scholars for courses listed in the Graduate College only. Fees will be required for all undergraduate laboratory work.

These positions are awarded to students recommended by the respective heads of departments. They are not gifts or benefactions from the state, but are means whereby services are rendered to the University and at the same time the holder is assisted in some special line of work. The instruction required of Fellows and Scholars is confined to the department in which they are pursuing advanced work. For additional information see the announcement of the various colleges.

The William Jennings Bryan Prize. For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan. For detailed information apply to the professor of American history.

Prizes for Excellence in Bohemian. To the best students of the first year class, W. F. Severa of Cedar Rapids, Iowa, offered \$50. In 1915-1916 this prize was awarded as follows: First, Arnost Sukovaty, Swanton, Nebraska, and Emma Pospisil, Prague, Nebraska; second, Edward Kovar, Schuyler, Nebraska, and Emma Krikac, Comstock, Nebraska.

Athletic and Military Trophies. Cups or other trophies are offered for the winners in the annual Class Field Day and Ivy Day contests, Company Drill, Individual Infantry Drill, and Individual Company Drill and Pershing Rifle contests.

Other Prizes are offered by the College of Law and the College of Medicine for excellence in the work of those colleges. See the Bulletin of the College of Law and the Bulletin of the College of Medicine.

Honorary Societies. **Phi Beta Kappa**, founded at William and Mary College in 1776, has for its object the promotion of scholarship among the students and graduates of American colleges; the Alpha of Nebraska chapter, founded in 1896, annually elects to its membership the one-tenth to one-sixth of the graduating class whose scholarship rank is highest.

REQUIREMENTS FOR ELIGIBILITY¹

Elections to Alpha of Nebraska Phi Beta Kappa will be made annually not earlier than March 15th. The announcement of the names of those elected will be made at the last convocation preceding the spring (Easter) recess.

No person shall be eligible for election on the basis of undergraduate scholarship at the University of Nebraska who is not included in one of the following three classes:

Candidates for graduation at the next succeeding June Commencement.

Graduates at the immediately preceding Summer Session Commencement.

Graduates at the immediately preceding Mid-Year Commencement.

Group Work—Two groups from each of the following divisions (A, B, C) in the amount indicated, shall be completed before graduation.

	Hours
A (1) Mother tongue.....	10
(2) Classics (Greek or Latin).....	10
(3) Modern Language (other than English).....	10
B (4) History.....	6
(5) Philosophy.....	6
(6) Economics or Political Science.....	6
C (7) Exact Science (Astronomy, Mathematics).....	10
(8) Physical Science (Chemistry or Physics).....	6
(9) Biology (Botany or Zoology).....	6

Minimum Hours in University of Nebraska—No person shall be eligible who has completed and available for rating less than 64 hours taken in the University of Nebraska. At least 24 of these hours must be in group work.

Subjects Available for Rating—Excepting gymnastics and military drill, all subjects taught in the University of Nebraska shall be available for rating.

Sigma Xi is a similar organization for the encouragement of original investigation in Science, pure and applied.

The Order of the Coif is an organization for the promotion of scholarship in Law.

Delta Sigma Rho is a national society organized in 1906 by universities of the West to promote among college students the art of effective public speaking and debate, and its membership is confined to authorized representatives of universities and colleges in inter-collegiate contests in debate or oratory.

¹These requirements will be rigidly enforced.

Phi Alpha Tau is an inter-collegiate honorary fraternity, organized by members of the University Debating Squad in 1906 to promote the art of public speaking and debate, and confines its membership, which is limited and by election, to students who have exhibited special interest in public speaking and debate and who have shown special aptitude for that work.

Alpha Kappa Psi is a national society organized to foster scientific research in the fields of Commerce, Accounts and Finance.

The Woman's Pan-Hellenic Association offers three gold scholarship medals to women undergraduates of the University: one each to the freshman, the sophomore, and the junior having the highest average of her year. The medals are to be awarded in September of each year. All women in the classes named are eligible as candidates.

The Nebraska Branch of the Association of Collegiate Alumnae offers a scholarship of \$100 for 1917-1918 to a woman of either sophomore or junior standing. The applicant must have been, and be at the time of application, in part, or wholly, self-supporting. Applications must be made before June 1.

DEBATING

The University of Nebraska participates annually in two intercollegiate debates. In December, 1916, it met the University of Kansas. The general object of these contests is to provide students an opportunity to apply, under the stimulus of public competition, what they have learned about the science of argumentation and the science of debate—methods of investigation, analysis, rules of evidence, use of arguments, briefing, etc.

Competition for membership on the teams is open to all students in good standing. The members are chosen in November, under the direction of the University Debating Board, from those students (usually fifteen), appointed in October at an open competition, to membership in the Seminary in Argumentation and Debate (Rhetoric 22). The University's representatives against Kansas in 1916 were:

At Lincoln—L. W. Kline, '19, Blue Springs; W. L. Heyler, '18, Edmond, Oklahoma; C. E. Schofield, '17, Lincoln; D. G. Gilbert, '17, Law '18, Omaha (alternate); At Lawrence—R. B. Waring, Law '17, Geneva; C. I. Winslow, '17, Beaver City; E. E. Carr, Law '17, Beaver City; C. M. Frey, '17, Law '19, Lincoln (alternate).

The annual debates to decide the inter-class championship end at University Convocation on Phi Beta Kappa day in March.

ATHLETICS

The Department of Athletics, under the supervision of Dr. E. J. Stewart Director and Professor of Athletics, has jurisdiction over all branches of competitive athletics.

The aims of the department are the development of organic power, the basis of vitality, the prerequisite to physical and mental efficiency; to secure and maintain a harmonious muscular development and a reasonable degree of bodily skill and grace; to provide an incentive and an opportunity for every student to secure physical recreation as a balance to the sedentary demands of university life; to conserve the social and moral values of games and sports; to establish high ideals and efficient administration of athletics.

The Grant Memorial Hall and Soldiers' Memorial Hall are used jointly by the Military Department, Physical Education Department and Department of Athletics. On the ground floors are offices, locker-rooms, bathrooms and storerooms. On the second floors there are two halls used for purposes of military drill, calisthenics, and games.

An athletic field is provided for the use of men students and all inter-collegiate and other games and meets are held there. The field is equipped with two large grandstands, a running track, tennis courts, baseball diamond, football field, and other necessary features.

Competitive athletics are not compulsory but optional to all students complying with the scholastic eligibility requirements.

Members of all University athletic teams are required to take a physical examination at the beginning of the college year or at the beginning of the semester in which that training begins.

No student is permitted to participate in competitive games of an inter-collegiate grade unless he is physically fit for the same as determined by the examination. Every precaution is taken to prevent overtraining, exhaustion or unnecessary strain.

The University is a member of the Missouri Valley Athletic Conference and maintains representative teams in all major inter-collegiate sports. No student may be a member of an inter-collegiate team unless he is an amateur athlete and unless he has been in the University a full college year (exclusive of summer session) and unless he shall have passed during the year of residence previous to participation 27 hours of University work.

The inter-collegiate sports are under the government of the athletic board, a committee of six members of the faculty, one alumnus and five students.

All coaches and assistants are members of the University faculty.

LOAN FUNDS

Hon. John R. Webster, of Omaha, Dr. John Alexander Low Waddell, of Kansas City, and Hon. William Gunn Whitmore, of Valley, have given the sum of \$1,000 each to be used as a permanent loan fund for students needing assistance. Mr. Webster's donation applies to all students in the University, while the donations of Dr. Waddell and Mr. Whitmore are limited to students in the Engineering College. The interest received from the loaning of this money goes to increase the fund. The full rules for its administration and application blanks may be obtained from the office of

the Secretary. Loans will only be made to students in need of assistance and to those who have been matriculated for at least one full year. Upper classmen will be given preference in the making of loans. The moral character of the applicant, his habits for temperance and industry, and his assiduity and success in his studies will also be determining factors. The amount loaned to one student will, except in extraordinary cases, be limited to \$100 per semester. The note given by the borrower will bear six per cent interest, payable annually; the loan to be wholly repaid two years after the student graduates or leaves school.

Mrs. Ida C. Carter, of New York City, has arranged to give a fund of \$500 to be known as the A. E. Carter Loan Fund, in honor of her husband who was a graduate of the College of Engineering. This fund is available for students of that college only.

PUBLICATIONS

General University Publications. In addition to its annual Calendar and other periodic Bulletins, the University publishes monthly (except July and August) the University Journal, devoted to the relations of the University with the secondary schools of the state and with the University Alumni. General student publications include the Daily Nebraskan, The Cornhusker (annual), and the Students' Handbook (annual). One number of the Bulletin of the University is entitled The High School Manual and is devoted to high school problems.

Departmental or Special Publications are the University studies (see the Graduate College), Studies from the Zoological Laboratory, Reports of the Botanical Survey of Nebraska, the Flora of Nebraska, and the Nebraska Geological Survey. The Nebraska Engineering Blue Print is a semi-annual publication by the Engineering Students.

MISCELLANEOUS INFORMATION

Students' Mail sent direct to the University should be addressed "Station A, Lincoln, Nebraska." This United States post-office is in effect part of the University, occupying University Hall 104, convenient to all students.

Board, Room, Employment. The average cost of a year's attendance at the University (not including fees of any kind) is about \$350. Many students reduce this amount. Board and lodging may be had among families of the city. In September the University Y. M. C. A. makes a canvass of the city and keeps on file lists of rooms and boarding places, and maintains an employment bureau. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the University do not, however, undertake to find employment for students. A student is

advised not to enter the University unless he can count upon resources for one semester—at least \$150.

The University Cafeteria. The University Cafeteria in the Temple building is open to both men and women of the University. A separate dining hall is provided for the women. This enables the students to obtain wholesome food at a minimum cost.

Convocation. University convocations are held regularly in the Chapel at eleven o'clock Tuesday and Thursday. An interesting address on some important topic of the time or a musical program forms the nucleus of these exercises. Special convocations are called as occasions of importance arise.

Women's Parlors. In Soldiers' Memorial Hall a beautiful parlor has been furnished by members and friends of the University for the use of all women members of the University without reference to religious or other affiliations. Also, a study room open to all University women is provided in the basement of University Hall.

Care of the Sick. The University much needs an infirmary for the care of students when ill. Such students are, however, carefully provided for even at present, on application to the Executive Dean or Dean of Women at whose offices all cases of serious illness should be reported.

Visitors to the University. Visitors are always welcome. High school classes, clubs, or parties should, a few days in advance, inform the Registrar of their coming.

Meetings of State Societies. Many state societies hold their annual meetings at the University. The University is always pleased to extend its hospitality and the use of its buildings to any of these or to any similar organization.

The Alumni Association, organized in 1874, is composed of the graduates of the University, including graduates receiving higher degrees. The annual meeting is held the day before Commencement Day in June. A secretary has been secured who is now giving full time to the work of the Association.

STUDENT COUNCIL CONSTITUTION

The following Student Council Constitution was adopted by vote of the student body, May 25, 1917.

Article I. The name of this organization shall be the Student Council of the University of Nebraska.

Article II. The purpose of this organization shall be the relating of all extra-curricula activities to one another and to the University as a whole; the creation of such other expressions of student life as shall supplement those already established; the direction of such other matters of student interest as shall be initiated by or referred to the Student Council. The

council shall also act as a student court to investigate and make recommendations in such cases of minor discipline as shall be referred to it by the executive dean and the dean of women.

Article III. The council shall be composed of the following representatives:

1. Eleven members apportioned as follows:

- a. Six junior men, one each from the college of agriculture, arts and sciences, engineering, law, and pharmacy,—and one from the school of commerce.
- b. Four junior women, one each from the colleges of agriculture and arts and sciences, one from the school of fine arts, and one from the teachers college.
- c. One man or woman from the graduate college.

These eleven representatives shall be nominated from the floor at a mass meeting of their own college or school held at a time set by the Student Council, and shall be voted upon by the members of their own college or school at the regular Student Council election, the time of which shall be set by the Student Council.

2. Four seniors—two men and two women—nominated from the floor at a mass meeting of the senior class and elected by the student body at the regular Student Council election.

At the first election for members of the Student Council this number shall be increased to eight seniors—four men and four women—the additional four members to take the place of those provided for in Article 3 following.

3. Four seniors—two men and two women—nominated and elected by the Student Council from the junior members of that body, to serve during the following year.
4. The sophomores who shall be non-voting members.

The highest man and highest woman officer of the freshman class chosen at the second semester class election shall serve in this capacity.

Article IV. The regular Student Council election shall be held not earlier than April 1st and not later than May 15th of the year preceding that in which members are to serve. Within these limits the date for election shall be set by the Student Council. Voting shall be by preferential ballot. Mass meetings for nominations shall be held at least one week before the election.

Article V. Candidates to be eligible for election shall be members of the specific school or college and class as determined by the regular University rulings in such cases, and shall have a scholastic average of at least 75 per cent for the preceding semester.

Article VI. A meeting of the newly elected Student Council shall be called by the outgoing chairman within one week after the election day.

At the establishment of the Student Council the first meeting shall be called by the senior receiving the highest number of votes.

At this meeting the necessary officers shall be elected and the organization of the council perfected. A chairman and vice-chairman—one of whom shall be a man and the other a woman—shall be chosen in order to provide a chairman for separate men's and women's section at such times as shall seem expedient.

Article VII. Mass meetings of students shall be called by the chairman of the Student Council at the discretion of the council, or upon the written request of fifty students of the University.

Article VIII. Amendments to this constitution or revisions of it may be presented to students in mass meeting assembled, and upon a majority vote of those present, shall be submitted for adoption to the student body at an election called for that purpose.

CLASS ELECTIONS

The following resolution regarding class elections was adopted by the four classes of the University in 1912. This applies only to regular students of undergraduate rank. It does not apply to Adult Special students.

"Resolved, That the Presidents of the four classes, the Ivy Day Orator, and the Editor-in-Chief, Managing Editor, and Business Manager of the Cornhusker be elected by the Australian Ballot System as follows:

ARTICLE I

"There shall be one general election by this system the third Tuesday of each semester, exclusive of Registration week, at which election the Presidents of the four classes shall be elected. The Ivy Day Orator, Editor-in-Chief, Managing Editor and Business Manager of the Cornhusker shall be elected at the general election of the second semester.

ARTICLE II

"The Registrar shall designate the place of election. The polls shall be in charge of three faculty members appointed by the Registrar. Each candidate may have a representative at the polls during the election.

ARTICLE III

"Each voter shall check the name of the candidate or candidates for whom he wishes to vote on a ballot furnished him by the election officials which ballot shall then be deposited by the election officials in its respective box. There shall be a separate ballot for each class. At the close of election the ballots shall be counted by the election officials.

ARTICLE IV

"No vote shall be solicited by cards or otherwise at the polls or in the building in which the election is being held during election day.

ARTICLE V

"Each candidate must file his name with the Registrar not later than five (5) P. M. on Friday prior to the day of election. The Registrar shall announce the election in the columns of the Daily Nebraskan ten (10) days prior to the day of election.

ARTICLE VI

"(a) Any student having the full number of entrance credits properly distributed as required by the University and less than twenty-four (24) hours University credits, shall be considered a freshman.

"(b) Any student having from twenty-four (24) up to, but excluding fifty-three (53) hours credit in addition to the full number of entrance points as above named, or any freshman in a three year College having thirty (30) entrance credits, shall be considered a sophomore.

"(c) Any student having from fifty-three (53) up to, but excluding eighty-nine (89) hours credit, or any second year man, by credit, in a three year College, shall be considered a junior.

"(d) Any student having from eighty-nine (89) up to, but excluding graduation, or any third year man, by credit, in a three year College, shall be considered a senior.

"(e) During the second semester of each year, eighteen (18) hours shall be added to each and every one of the foregoing figures.

ARTICLE VII

"The above and foregoing provisions are subject to recall for cause, by the University Senate on one semester's notice."

RULES AND REGULATIONS GOVERNING STUDENTS

The proper University authorities have established several definite rules and regulations for the government of student conduct and activities within the University. Each student is expected to familiarize himself with these rules and is held responsible for compliance with their provisions. (For the rules of the Librarian, the Committee on Students' Organizations, etc., inquire at the office of the Registrar.) The rules and regulations are as follows:

Registration

1. A candidate for admission to any of the colleges or schools of the University must forward his entrance credentials to the Registrar. This should be done at least two months in advance of the opening of the semester. Credentials submitted for evaluation become the property of the University and are retained in our permanent file as the basis on which statement of standing is given. On receipt and evaluation of the credentials the candidate will be informed of his standing and as soon as possible definite instructions regarding the various steps in registering will be mailed in order that the candidate may know in advance just what will be required of him when he presents himself for registration. Upon arrival at the University the candidate presents himself at the Registrar's office, Administration Hall 103 or elsewhere as directed, for instructions regarding registration. Registration is governed by certain regulations and restrictions in each College and School of the University, and those of the College the candidate expects to enter should be studied carefully before the work of registration is undertaken.

2. Each student should register at the Registrar's office at the beginning of each semester on one of the days set apart for registration. To promote prompt registration a fee of three dollars (\$3) is charged a student, who, unless permitted to do so by the Registrar, for any reason seeks to register later. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in registration once made, dropping or adding a study, is regarded as a re-registration.

3. All fees must be paid to the Secretary of the University before the registration is complete. The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

4. No first or second year student (freshman or sophomore) may register for more than five subjects (exclusive of drill or physical training). No first year student may register for more than 17 credit hours. Students above first year who have attained an average grade of 80 per cent during the previous year may register for a maximum of 18 credit hours. No first or second year student may register for more than one one-hour course (exclusive of drill and physical training) in any one semester; and no third or fourth year student may register for more than two one-hour courses in one semester.

5. A student who fails in a required subject must register for that subject again the first time it is offered.

A student who is conditioned ("C") or incomplete ("I") in a subject must remove the condition or incomplete by the end of the first semester in which that subject is again offered or it becomes a failure.

6. A student cannot attend a class for which he is not registered. The official certificate of registration, signed by the Registrar, is the only evidence of registration to be accepted from the student by an instructor. Credit is not granted for a subject pursued without registration.

7. No student is allowed to change from one group of studies to another or from one college to another without written permission by the Dean of each College concerned. A student changing college must also pay a new matriculation fee of five dollars (\$5).

8. A student who, by virtue of special circumstances, is allowed to register for less than the minimum twelve (12) hours required of regular students, receives this permission only for such time as the special conditions continue. No person is allowed to abuse the privilege of registering as a special student to secure merely nominal membership in the University, whether for social purposes or for any other reason.

9. Every detail of registration and record from the time the student leaves the high school until he graduates from the University, together with the interpretation of all the rules relating thereto and the publication of the same, are under the supervision of the Registrar, who is responsible directly to the Chancellor.

Military Science and Physical Training

10. Each undergraduate man in the University proper is required to receive military instruction during four semesters. Each man in the School of Agriculture shall receive military instruction during his attendance. Excuses from this requirement are granted to either class of students only on the grounds of conscientious scruples, physical disability, or other reasons equally valid. Such excuses shall be granted only upon written application to the commandant of cadets, in whom shall be vested the power to decide such cases. Such decisions may be appealed to the Executive Dean only on presentation by the student of a written statement from the commandant, containing the facts in the case and the reason for refusing to grant the excuse. Military science service is not required from non-matriculated students attending the short courses in agriculture.

11. Those excused for religious scruples and physical disability are required to do work in Physical Education equivalent in amount unless excused by the examining physician. Unless excused or reprieved, each undergraduate man must fulfill this requirement in his freshman and sophomore years. A man excused from this requirement (whatever the reason) must still, in order to graduate obtain the full number of hours

credit required of other candidates for the degree sought. Thoro drill elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

Candidates for appointment to office in the Cadet regiment must satisfy the scholastic requirements of the Department of Military Science.

All undergraduate women students of the University must fulfill the requirements in physical training in the freshman and sophomore years unless relieved or excused.

12. Regular attendance is required at all recitations, laboratory and field work.

13. Temporary leave of absence may be granted a student by the Dean of his College. This leave of absence is not an excuse from any work. Students not previously excused shall make request for excuse for absence within two weeks after the absence ceases.

14. Each unexcused absence in any subject may, in the discretion of the instructor, deduct three points from the student's semester grade in that subject.

Examinations—Class Work

15. Examinations or tests in every class in the University are held at the option of the instructor. Final examinations shall be held during the last week of the semester. Individual examinations can not be demanded by the student as a matter of right. Such examinations are permitted, if at all, only as a matter of comity. They are given by the permission and at the convenience of the instructor after the regular examination of the class or section. The instructor's permission being obtained, the student desiring individual examination must pay the required fees to the Secretary. On presentation of a receipt therefor to the instructor, the latter is authorized to proceed with the examination.

16. No student is allowed to take any book or paper into the examination room unless the instructor expressly so directs.

17. Sessions of class work of each semester shall be held regularly till 6 p. m. of the Friday preceding the last week of the semester unless otherwise provided by special rule.

Reports—Standing

18. On the attendance and standing of each student in each course the instructor makes the following regular reports:

To the Executive Dean:

A. At the end of each week he reports the absences for the week and all cases of delinquency.

B. At the middle of the semester he reports all students who are below a passing grade as shown by class-room work and the mid-semester examination or test.

To the Registrar:

C. At the end of the semester he reports the proficiency each student has attained. All grades above passing (60)¹ are reported to the Registrar in figures, either in straight percentages or in multiples of five. Below passing the following are the markings: F—Failure (below 50); C—Conditioned; I—Incomplete. Also, A—Withdrew in good standing; D—Delinquent at time of withdrawal.

Honorable Dismissal

19. Students not minors being in good and honorable standing may secure honorable dismissal from the University at their own request, and minors at the request of parents or guardians.

Discipline

20. Whenever at the middle or end of any semester a student is delinquent in half or more of his hours of registration, his name is automatically dropped from the rolls of the University. Such delinquent student may be reinstated by the Committee on Delinquent Students. A student may be refused registration, suspended, or expelled for infringing the good order and comity of the University, as by dishonesty in written work, the acts inhibited in sections 21 to 24 below, or any conduct injurious to the work or the good name of the University.

21. A student who is delinquent in two or more subjects but less than one-half of his work is placed on probation.

22. The case of any student detected in dishonestly giving or receiving aid during an examination must be immediately reported to the Executive Dean by the instructor in charge of the examination or by the head of the department with a succinct account of the evidence in the case. In cases of clear guilt the Dean affixes penalties in accordance with deserts.

Dishonesty in written work, themes, essays, reports, theses and the like, is treated in the same way as dishonesty in examinations. The turpitude consists in the presentation as one's own work or results really borrowed in whole or in part from another.

23. Students must not frequent gaming houses or saloons, or brothels, or engage in gambling, or use intoxicating drinks, or do any other acts inconsistent with good morals.

¹See statement concerning "grades" in the Bulletin of the College of Arts and Sciences and "The University Teachers' Certificate" in the Teachers College and The Bulletin of the College of Law.

24. A student must not neglect a call of any University official or Committee.

25. Whenever a student is dropped from the University on account of vicious or wanton delinquency his name is published.

Petitions—Appeals

26. The rights of respectful petition and of appeal to the Chancellor are granted.

27. No extraordinary meetings of students shall be held on the University grounds or within any University buildings for any purpose whatever, except after and in pursuance of a written or printed notice or call stating clearly the business of such meeting. Said notice must be signed by at least three students, approved in the Registrar's office, and be posted openly on the University bulletin board. Such meetings shall always be open and subject to immediate adjournment by the Chancellor or Executive Dean in case of disorder.

Boards of Control

28. The University Athletic Board, composed of six faculty members, one alumnus, and five student members elected annually, controls athletics in the University.

29. The University Debating Board, composed of seven faculty members (ex-officio) and of five student members elected annually, supervises all public debates between students of the University and other institutions.

30. The Student Publication Board, composed of five faculty members and three student members, has general oversight over all publications by University students.

Organizations, Social Functions

31. All non-athletic organizations and social functions are under the supervision of the Senate Committee on Student Organizations, which may enact such special rules, subject to the Chancellor and the Board, as it may deem necessary for the proper control of such organizations and functions. Organizations coming into financial relations with the public shall submit their accounts to this committee for audit.

32. No person registered in any secondary school of the University shall become a member of any fraternity or sorority.

33. A student who, in any semester, is not satisfactorily carrying at least twelve (12) hours is debarred from acting as departmental assistant or representing the University that semester on any athletic or debate team or board, on a glee, mandolin or dramatic club, on the staff of any college publication or in any other University organization; moreover, a

student who fails to pass in twelve (12) hours at the end of a semester is debarred from representing the University in any capacity the semester following. In case a student in any of the above named student enterprises fails, any semester, to carry satisfactorily the work or any part thereof for which he is registered, the Committee on Delinquent Students may at its discretion lessen the hours of such student's registration.

34. Women students in the University shall not take part in out-of-town performances such as dramatic and glee club presentations, elocution recitals, etc., during the regular sessions of the University, and at other times only after permission is granted by the Committee on Student Organizations and Social Functions.

35. All University functions, including athletic contests on home grounds and social gatherings of departmental clubs, shall be held on Friday evening and Saturdays.

All meetings of University clubs and organizations holding later than 8 p. m. shall occur on Friday and Saturday evenings, except by special permission of the Committee on Student Organizations.

All University parties, formal or informal, shall close not later than 12 p. m.

All parties where women are present shall be officially chaperoned. Notice of such parties shall be given to the Dean of Women and the names of the chaperones submitted to her for approval at least two days in advance. At all entertainments not given in private homes or organization houses, members of the University faculty are to be included among the guests invited to chaperone the parties.

Social Customs

36. The residence of men and women in the same lodging house is not approved, and is not permitted unless the circumstances are unusual. In this case, written permission must be granted by the Dean of Women.

37. A landlady rooming women students is expected to provide for their use, till half after ten on Friday, Saturday and Sunday evenings, or on two of these evenings, a reception room on the first floor, properly warmed and lighted.

Women students in these houses will receive gentlemen callers only on the evenings named and only in the reception rooms. Gentlemen will take notice and govern themselves accordingly.

Library and Use of Books

38. Any student regularly registered may take out two books at the closing hour of the day, such books to be returned promptly at the next opening hour. Only two books at a time may be taken out under this privilege.

On written permit from the head of a department, any student may draw one book at a time to be kept not more than one week. Such permit is good only for books pertaining to the department issuing the permit.

A student leaving Lincoln for more than one week must, on or before leaving, return all the library books in his possession.

The following classes of books are not circulated: Reference books shelved in reading room; periodicals, whether bound volumes or current numbers.

Books especially reserved for class use may not be taken out except over night.

There is no provision for a student borrowing from departmental libraries.

Infractions of the library rules will be dealt with in accordance with the recommendation of the librarian.

Announcements

39. Any official University announcement or notice is considered as duly published and as binding upon all students when it is placed upon the official bulletin board or when it is announced at convocation.

40. All signs, posters and announcements will be confined to the bulletin boards and must be approved by the Registrar. No signs, posters of announcements of any sort will be permitted on the fences in or surrounding the campus, on doors of buildings, on the benches or on any other University property except the bulletin boards.

41. No private advertising announcements can be placed upon any of the University bulletin boards, nor is it permissible to give out handbills or cards of any kind at the gates of the campus.

The College of Agriculture

OFFICERS OF ADMINISTRATION AND INSTRUCTION

- SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University. Administration Hall. City Campus.
- EDGAR ALBERT BURNETT, B. Sc., Dean of the College of Agriculture, Director of the Nebraska Experiment Station. Agricultural Hall 203.
- ¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher. (*Secretary of the Faculties.*)
- FLORENCE IRWIN McGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*) Administration Hall 103. City Campus.
- CHARLES WILLIAM PUGSLEY, B. Sc., Director of Extension Service in the College of Agriculture and Professor of Agricultural Extension. Agricultural Hall 302.
- LAWRENCE BRUNER, B. Sc., Professor of Entomology and State Entomologist. (*Head of Department of Entomology.*) Plant Industry Hall 208.
- EDWIN MEAD WILCOX, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station. (*Head of Department of Plant Pathology and Physiology.*) Plant Industry Hall 304.
- LEON WILSON CHASE, M. E., A. E., Professor of Agricultural Engineering. (*Head of Department of Agricultural Engineering.* Agricultural Engineering Annex.
- JULIUS HERMAN FRANDSEN, M. S. A., Professor of Dairy Husbandry. (*Head of Department of Dairy Husbandry.*) Dairy Industry Hall.
- HARRY ELWYN BRADFORD, A. B., Principal of the School of Agriculture and Professor of Secondary Agricultural Education. (*Head of Department of Secondary Agricultural Education.*) Agricultural Hall 207.
- GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*) Director, State Conservation and Soil Survey. University Hall 311.
- ALICE MARIE LOOMIS, A. M., Professor of Home Economics. (*Head of Department of Home Economics.*) Home Economics Hall.
- WILLIAM PATTON SNYDER, M. S., Superintendent of Experimental Substation, North Platte.
- SAMUEL MINTER PARKER, Captain of Infantry, U. S. Army, Commandant of Cadets and Professor of Military Science and Tactics. (*Head of Department of Military Science and Tactics.*)

¹Resigned.

FRED WILBERT UPSON, Ph. D., Professor of Agricultural Chemistry.
(*Head of Department of Agricultural Chemistry.*) Experiment Station Hall 101.

HORACE CLYDE FILLEY, A. M., Professor of Farm Management.
(*Head of Department of Farm Management.*) Farm Management Hall 203.

ROBERT FRANCIS HOWARD, A. M., Professor of Horticulture.
(*Head of Department of Horticulture.*) Plant Industry Hall 105.

WILLIAM WESLEY BURR, B. Sc., Professor of Agronomy. (*Head of Department of Agronomy.*) Experiment Station Hall 109.

HOWARD JOHN GRAMLICH, B. Sc., Professor of Animal Husbandry.
(*Head of Department of Animal Husbandry.*) Stock Judging Pavilion 201

RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)

JAMES HARRISON GAIN, M. D. C., Professor of Animal Pathology.
Veterinary Hall.

THEODORE ALEXANDER KIESSELBACH, A. M., Professor of Agronomy Plant Industry Hall 202.

GEORGE ANDREW LOVELAND, A. M., LL. B., Professor of Meteorology and Section Director United States Weather Bureau. Brace Laboratory.

CYRUS VANCE WILLIAMS, A. M., Superintendent of the Nebraska School of Agriculture, Curtis.

MYRON HARMON SWENK, A. M., Professor of Economic Entomology and Assistant State Entomologist. Plant Industry Hall 206.

¹CHARLES BOPES LEE, A. M., Professor of Animal Husbandry. Agricultural Hall 103.

ERWIN HOPT, B. Sc., Professor of Agronomy. Dairy Industry Hall. Third Floor.

LAZELLE BRANTLY STURDEVANT, A. M., M. D., Associate Professor of Animal Pathology. Veterinary Hall.

NELS AUGUST BENGTSON, A. M., Associate Professor of Geography and Conservation. University Hall 308.

GEORGE WILLIAM HOOD, M. S. H., Associate Professor of Horticulture. Plant Industry Hall 102.

GEORGE KONRAD KARL LINK, Ph. D., Associate Professor of Plant Physiology. Plant Industry Hall 304.

HARLEY MARTIN PLUM, Ph. D., Associate Professor of Agricultural Chemistry. Experiment Station Hall.

LAURENCE FROYD SEATON, B. Sc. in M. E., Associate Professor of Agricultural Engineering. Machinery Hall.

JOHN RALPH COOPER, B. Sc., Associate Professor of Horticulture. Plant Industry Hall 102.

EDWIN GARVER WOODWARD, A. M., Associate Professor of Dairy Husbandry. Dairy Industry Hall.

¹Resigned

- ELMER EUGENE BRACKETT, B. Sc. in E. E., Associate Professor of Agricultural Engineering. Machinery Hall, (Old Boiler House).
- JOHN ERNST WEAVER, Ph. D., Associate Professor of Botany.
- ARTHUR EUGENE ANDERSON, A. B., State Leader in charge of County Agent Work. (*Extension Service in coöperation with U. S. Department of Agriculture.*) Agricultural Hall 301.
- ¹HULDAH PETERSON, State Leader in charge of Boys' and Girls' Club Work. (*Extension Service in coöperation with U. S. Department of Agriculture.*)
- SIMON WAYNE ALFORD, D. V. S., Superintendent of the Serum Plant.
- HORACE JAMES YOUNG, B. Sc. in Agr., Assistant Professor of Agronomy. Experiment Station Hall.
- JOHN WILLARD CALVIN, B. Sc., Assistant Professor of Agricultural Chemistry. Experiment Station Hall.
- ¹HELEN LEE DAVIS, A. B., B. Sc., Assistant Professor of Home Economics. Home Economics Hall.
- ALVA ALDUS BAER, A. B., Assistant Professor of Agricultural Engineering. Machinery Hall.
- ¹JOHN ANDERSON RATCLIFF, M. A., Assistant Professor of Agronomy.
- ERNEST HERMAN HOPPERT, B. Sc., Assistant Professor of Horticulture (*Extension Service*). Plant Industry Hall 105.
- JULIA VANCE, A. B., B. Sc., Assistant Professor of Home Economics. Home Economics Hall.
- ¹TELL WILLIAM NICOLET, M. L. A., Assistant Professor of Horticulture (*Forestry and Landscape Gardening*).
- MATTHEW ELLIS DICKSON, B. Sc., Assistant Professor of Poultry Husbandry. (*In charge.*) Farm Management Hall 105.
- ALVA RAYMOND DAVIS, A. B., Ph. D., Assistant Professor of Plant Physiology. Plant Industry Hall 306.
- JULIA EMELINE LOUGHRIDGE, A. B., Assistant Principal of the School of Agriculture and Assistant Professor of Mathematics in the School of Agriculture. Agricultural Hall 207.
- FLORA BULLOCK, A. M., Assistant Professor of English in the School of Agriculture. Agricultural Hall 109.
- MARY VIRGINIA ZIMMER, A. B., Assistant Professor of Mathematics in the School of Agriculture. Agricultural Hall 207.
- IVAN DALEY WOOD, A. M., Assistant Professor of Agricultural Engineering. (*Extension Service.*) Machinery Hall.
- ¹HARVEY ELMER VASEY, A. M., Assistant Professor of Agricultural Botany. Plant Industry Hall 306.
- HOBART FLOYD WILLIAMS, B. Sc., Assistant Professor of Farm Management. (*Extension Service in coöperation with the U. S. Department of Agriculture.*) Farm Management Hall 201.

¹Resigned.

- MAUD MATHES WILSON, B. Sc., Assistant Professor of Home Economics. (*In charge of Home Economics in Extension Service.*) Agricultural Hall 301.
- DAVIS HENRY PROPPS, B. Sc., Assistant Professor of Dairy Husbandry. (*Extension Service in coöperation with the U. S. Department of Agriculture.*) Dairy Industry Hall.
- KENNETH FISHER WARNER, A. M., Assistant Professor of Animal Husbandry. (Extension Service.) Stock Judging Pavilion.
- PORTER L. GADDIS, A. B., B. Sc., Assistant Professor of Agricultural Education. (*In charge of Farm Instruction and Short Course.*) (Extension Service.) Agricultural Hall 303.
- RALPH WARD DAWSON, B. Sc., Assistant Professor of Entomology. Plant Industry Hall 203.
- HAROLD BROCKWAY PIER, B. Sc., Assistant Professor of Animal Husbandry. Stock Judging Pavilion 205.
- FRANKLIN DAVID KEIM, B. Sc., Assistant Professor of Agronomy. (Extension Service.) Experiment Station Hall 109.
- RUSSELL RICHARD SPAFFORD, B. Sc., M. A., Assistant Professor of Farm Management. Farm Management Hall 202.
- ¹FRANK CLIFFORD DEAN, A. B., Agricultural Editor.
- FLOYD WAMBEAM, B. Sc., Agricultural Editor. Agricultural Hall 204.
- LEWELLYN TERRY SKINNER, B. Sc., State Leader in Junior Extension Service. (*Extension Service in coöperation with the U. S. Department of Agriculture.*) Agricultural Hall 301.
- OSCAR WARNER SJOGREN, B. Sc. in A. E., Assistant Professor of Agricultural Engineering. Agricultural Engineering Annex.
- EMMA REED DAVISSON, Assistant in Home Economics, in charge of Women's Clubs. (Extension Service.) Agricultural Hall 301.
- ¹CHARLES ALTON HELM, A. M., Instructor in Agronomy. Plant Industry Hall 202.
- MARY-ELLEN BROWN, B. Sc., Instructor in Home Economics. Home Economics Hall.
- CLARE BROWN CORNELL, A. M., Instructor of Cadet Band.
- MARGARET S. FEDDE, A. B., Instructor in Home Economics. Home Economics Hall.
- MARY STANDERWICK VAN KIRK, Instructor in Home Economics. Home Economics Hall.
- THEODORE THORSON, B. Sc., Instructor in Dairy Husbandry. Dairy Industry Hall.
- EARL GEORGE MAXWELL, A. M., Instructor in Dairy Husbandry. Dairy Industry Hall.
- ELMER LAMONT RHOADES, B. Sc., Instructor in Farm Management.

¹Resigned.

- LEILA F. CORBIN, Instructor in Home Economics. Home Economics Hall.
- EVAN LISTON JENKINS, B. S., M. S., Instructor in Animal Husbandry. Judging Pavilion 205.
- ROBERT CANN HIBBEN, B. S., Instructor in Dairy Husbandry. Dairy Industry Hall.
- WILLIAM RABAK, B. Sc., Ph. G., Instructor in Agricultural Chemistry. Experiment Station Hall.
- SARAH W. CANFIELD, A. B., Instructor in Home Economics. Home Economics Hall.
- RUTH CURTISS, B. Sc. in H. E., Instructor in Home Economics. Home Economics Hall.
- MARY ANN ROKAHR, A. B., Instructor in Home Economics. (Extension Service.) Agricultural Hall 301.
- EMMA F. ÖRT, B. Sc., Instructor in Home Economics. (Extension Service.) Agricultural Hall 301.
- GLAIDETH GAINEVERE DENNY, A. B., Instructor in German and History in the School of Agriculture. Agricultural Hall 304.
- ¹EDITH VIOLET OHLSEN, B. Sc., Instructor in Home Economics in the School of Agriculture.
- ¹CHAUNCEY WILLIAM SMITH, B. Sc., Instructor in Physics in the School of Agriculture. Experiment Station Hall.
- RUTH ODELL, A. B., Instructor in English in the School of Agriculture. Agricultural Hall 205.
- ASTRED ALTHEA KJELSON, B. Sc., Instructor in Home Economics in the school of Agriculture. Home Economics Hall.
- LETA BLANCHE LINCH, A. B., Instructor in Home Economics in the School of Agriculture. Home Economics Hall.
- AURAL SCOTT, B. Sc., Instructor in Home Economics. (Extension Service.) Agricultural Hall.
- LOUISE MEREDITH, B. Sc., Instructor in Home Economics. (Extension Service.) Agricultural Hall.
- JOHN GIFFORD McMILLAN, B. Sc., Assistant in Boys' and Girls' Clubs. (*Extension Service in coöperation with the U. S. Department of Agriculture.*) Agricultural Hall 301.
- CURRY WATHAN WATSON, B. Sc., Assistant in Junior Extension Work. (Extension Service). Agricultural Hall 301.
- MATILDA KATHERINE PETERS, Instructor in Home Economics. Home Economics Hall.
- ¹ZOELAH BURROUGHS HOFFMAN, Instructor in Home Economics. Home Economics Hall.
- MINNIE FRIED WATSON, Instructor in Normal Training in the School of Agriculture. Agricultural Hall 205.

¹Resigned.

- EDNA CLARA NOBLE, B. L., Library Assistant in charge of University Farm Library. Agricultural Hall.
- CORA HORTENSE BABCOCK, Adviser to Girls in the School of Agriculture. Home Economics Hall.
- ESTHER S. ANDERSON, B. Sc., Instructor in Geography in the School of Agriculture. Agricultural Hall 207.
- MARIE KUHN, Assistant in Home Economics. Home Economics Hall.
- PAUL HESDEN STEWART, B. Sc., Assistant in Agronomy. Dairy Industry Hall.
- WYLIE R. WARD, B. Sc., Assistant in Agronomy. Dairy Industry Hall.
- ESTELLA MAY ELLISON, Assistant in Home Economics. Home Economics Hall.
- MARY RODDY, A. B., Assistant in Home Economics. Home Economics Hall.
- JESSE FRANKLIN HENDRICKS, B. Sc., Assistant in Farm Management. (Extension Service.) Agricultural Hall 307.
- MARGARETE META KUNDE, Assistant in Physiology in the School of Agriculture. Veterinary Building.
- BLANCHE HIGGINS, Assistant in Physical Education in the School of Agriculture.
- WILLIAM J. RUNNALLS, Instructing Mechanic in Agricultural Engineering. Farm Machinery Hall.
- SARAH LOUISE VINING, Supervisor of Cafeteria. Home Economics Hall.
- JAMES COWAN, M. E., Superintendent Experimental Substation, Valentine.
- ¹FRITZ KNORR, B. Sc., Superintendent Experimental Substation, Mitchell.
- JAMES A. HOLDEN, Superintendent Experimental Substation, Mitchell.
- SENATOR WILLIS PERIN, Farm Superintendent. Agricultural Hall 205.

Fellows, Scholars, and Graduate Assistants

- WILLIAM E. ANDERSON, B. Sc., Assistant in Agricultural Chemistry (Dairy). Experiment Station Hall.
- HARRY PETER MAGNUSON, A. B., Assistant in Agricultural Chemistry. Experiment Station Hall.
- EMORY FREDERICK ALMY, B. Sc., Assistant in Agricultural Chemistry. Experiment Station Hall.
- HOWARD NOTSON COLMAN, A. B., B. Sc., Assistant in Dairy Husbandry. Dairy Industry Hall.

¹Resigned

BENJAMIN HARRISON THOMPSON, B. Sc., Assistant in Dairy Husbandry. Dairy Industry Hall.

FRANK MAYNARD COLCORD, B. S., Assistant in Dairy Husbandry. Dairy Industry Hall.

STANDING COMMITTEES OF THE FACULTY

Course of Study—Professor Bradford (chairman), Professors Bruner, Wilcox, Chase, Frandsen, Loomis, Howard, Bengtson, Upson, Filley, Hopt, Gramlich, the Dean.

Schedule of Classes—Professor Chase (chairman), Professors Bradford, Loughridge, the Registrar.

Advanced Standing—The Chancellor (chairman), the Dean and the Inspector of High Schools.

Student Activities—Professor Frandsen (chairman), Professors Wilcox, Howard, Loomis, Graham, Hopt.

PURPOSE OF THE COLLEGE OF AGRICULTURE

The College of Agriculture was established by an act of the legislature of 1909, reorganizing the colleges within the University. The purpose of this college is (1) to provide thoro instruction in the technical agricultural sciences, (2) to aid in the promotion of agriculture thru its secondary Schools of Agriculture, its Experiment Stations, and its Agricultural Extension work, and (3) to promote household arts thru its department of Home Economics.

GROUPS OF STUDY

The **General Agricultural Group** meets the needs of those students who wish to prepare themselves for the pursuit of scientific investigation along some line of agriculture, such as agricultural chemistry, agronomy, animal husbandry, animal pathology, dairy husbandry, entomology, horticulture, plant pathology and physiology, and other technical subjects related thereto. This group should also appeal to those who desire to prepare themselves for teaching in high schools or in agricultural colleges and who desire agricultural training to meet the demands of the schools requiring that instruction be given in agriculture. As a course in general education for students who expect to follow business pursuits or to continue still further the study of some technical agricultural subject, this course is offered as a suitable foundation.

The **Agricultural Practice Group** (a two-year course leading to a certificate of proficiency in agriculture upon completion).

This course is intended to meet the need of those students who desire to return to the farm and who can spend only two years in college work. The course is almost wholly a study of practical agriculture.

The student may register in the five principal agricultural departments during his first term in college and may continue this practical work thru the entire two years.

At the end of two years a certificate will be granted for proficiency in practical agriculture, upon satisfying the requirements of proficiency in practical farm experience.

Should the student desire to continue in college more than two years, he must then enter the General Agricultural Group and complete the science requirements before continuing in his agricultural subjects.

Persons choosing the Agricultural Practice Group will find it to their advantage to live near the University Farm, since all of this work will be offered at the Farm campus. The student will not be required to go to the City campus for any work except for registration at the beginning of the semester.

The **Home Economics Group** leads to the degree of Bachelor of Science in Home Economics. Besides those subjects which have to do especially

with the home, it includes studies in science, language, history, and other branches affording a good general education. This department is housed in Home Economics Hall, situated on the University Farm campus.

Students in this group carry their academic courses on the city campus and for their convenience as many of the lectures as possible are given there.

FACILITIES FOR INSTRUCTION

To illustrate properly the work in the various departments in agriculture, the college is provided with a farm of 320 acres which is used for experimental purposes and to illustrate methods in farm practice, showing the effect of rotations and methods of treatment on the physical and chemical properties of the soil and on its productiveness. The department of Horticulture maintains an extensive orchard and garden for demonstrating horticultural methods and practices. The departments of Animal Husbandry and Dairy Husbandry keep extensive herds for instruction in types of farm animals. The agricultural plant, aside from lands, consists of eight main buildings and several barns and accessory buildings to complete the work and efficiency of the plant. Agricultural Hall is used for administration, library, and general classrooms. Experiment Station Hall furnishes laboratories for Soils, Physics, and Agricultural Chemistry. The Judging Pavilion furnishes stock judging laboratories and grain judging laboratories, with exceptional facilities for work. Agricultural Engineering Hall furnishes laboratories in forge work, wood work, farm machinery, farm motors, rural architecture, automobiles, concrete work, and domestic engineering. Plant Industry Hall furnishes class and laboratory facilities for Horticulture, Entomology, Experimental Agronomy, and Plant Pathology and Physiology. Dairy Industry Hall furnishes laboratories for instruction in buttermaking and cheesemaking, market milk and ice cream laboratories, supplemented by a herd of exceptional efficiency to demonstrate the best dairy practice. Home Economics Hall furnishes laboratories for instruction in the preparation of food, and in clothing and home furnishing. All of the technical departments giving instruction have excellent laboratory facilities and depend upon the laboratory method to give definiteness and efficiency to their instruction.

ADMISSION TO THE COLLEGE OF AGRICULTURE

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

General Agriculture and Home Economics Groups

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below under "Admission by Certificate," and in the subjects for the amount indicated below under "Entrance Subjects."

Agricultural Practice Group

Admission to the Agricultural Practice Group is the same as for the other groups except that foreign language is not required.

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours¹ and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Applicants for admission to the College of Agriculture as graduates of the University Preparatory Course of the School of Agriculture must secure from the Principal of the School of Agriculture an official certified statement of record and file the same with the Registrar. The above named applicants are admitted to complete freshman standing in the College of Agriculture without examination.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an entrance point is essential:

For the General Agricultural and Agricultural Practice Groups:

I.	The following 12 points are required of all:	Points
	English (a).....	6
	Mathematics	
	Algebra.....	2
	Geometry.....	2
	Science	
	Physics or Chemistry (Two points Physics preferred).....	2
II.	Eight points in addition to the above must be presented from the following elective subjects:	
	English.....	2
	Mathematics.....	2 to 4
	Foreign Language (Not less than 2 points of any one foreign language accepted) (b).....	2 to 8
	Science (Physics, Chemistry, or Botany) (Not less than 2 points of any science accepted).....	2 to 4
	History (Two points European).....	2 to 4
III.	Other subjects taught in an approved manner in an accredited school.....	10
	(Not more than eight points shall be offered in vocational subjects which include agriculture, manual arts, home economics, commercial work.)	
	Total.....	30

For the Home Economics Group:

I.	Required Subjects	Points
	English.....	4
	History (European) (c).....	2
	Language (foreign) (d).....	4 to 6
	Mathematics (algebra and geometry) (d).....	6 to 4
	Science (laboratory) (e).....	2 [or 4 (d)]
II.	Elective Subjects	
	Other subjects taught in an approved manner in an accredited secondary school.....	12
	Total.....	30

(a) Students presenting 4 points of foreign language may satisfy the English requirement with 4 points.

(b) Students who desire to specialize in science or to pursue teaching are advised to register for foreign language in college.

(c) History—
It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(d) Language and mathematics—
Ten points of foreign language and mathematics are required with a minimum of four points in either. But a second year of laboratory science may be offered in place of a third year of foreign language.

e) Science—
For admission to this College both physics and chemistry are desirable, but either a full year of physics or of chemistry should be offered. Students offering only a half year of either cannot continue their study in the College without registering for the elementary course. A second year of laboratory science may be offered in place of a third year of foreign language.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University, which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for

admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration in the College of Agriculture occurs on the City Campus during the regular registration days of each semester and each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A like fee of \$3 is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Advisor approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

FEES AND EXPENSES

Fees. The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or

tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The schedule of fees in the College of Agriculture is as follows:

Matriculation (payable on entering each college).....	\$5.00
Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one College to another.	
Incidental, each semester.....	\$3.00
Library (charged to each student who does not pay a laboratory fee), each semester.....	1.00
Special registration (for late registration or re-registration).....	3.00
Special examination, each course.....	1.00
Diploma, (undergraduate).....	5.00
Diploma, in absentia, (undergraduate).....	15.00
Certificate.....	2.00

LABORATORY FEES

Agricultural Chemistry—Courses 100D, 100E, 101, 102, 104, 116, 130, 132, \$5; 106, \$4; 103, \$10; 105, \$3; 107, 108, 110, 112, 117, 120, for each credit hour a semester \$2.	
Agricultural Engineering—Courses 5, 6, 7, 14, 24, 31, 32, 33, 34, \$1; 1, 2, 3, 4, 8, 9, 10, 12, 17, 18, 22, \$3; 15, \$8.	
Agronomy—Courses 1, 2, 51, 52, \$1.	
Dairy Husbandry—Courses 1, 2, 9, \$2; 4, 8, 10, 12, \$3; 7, 13, \$4.	
Entomology—Courses 1, 2, 3, 4, 7, 8, 10, 11, \$1; 5, 6, \$2; 15, 16, 17, 18, for each credit hour a semester, \$1.	
Fine Arts—Course 15, \$2.	
Geography—Courses 1, 2, 6, 52, \$1.	
Home Economics—Courses 1, 2, 8, 9, 10, 11, 12, \$2; 3, 4, 5, 6, \$5; 7, 23, 26, \$3; 24, \$1; 25, \$6.	

Horticulture—Course 5, \$3; 20, 23, 24, \$2; 11, 12, 17, \$1.

Physiology—Courses 1, 2, \$5.

Plant Pathology and Physiology—Courses 101, 102, \$2; 105, 108, 117, 118, \$3; 115, 116, for each credit hour a semester, \$1; 125, 126, 127, 128, for each credit hour a semester, \$2.

Zoology—Courses 11, 12, \$2; A, \$4.

Expenses. In Lincoln, board and lodging may be secured in private families for from \$4 to \$5.50 a week. There are also numerous student clubs. The Agent of Student Activities keeps lists of boarding places and also maintains an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

Uniforms costing about \$15 are required for Military Science.

REQUIREMENTS FOR GRADUATION

University Credits. For the degree of Bachelor of Science, 125 University "credit hours" are required. A course receives one credit hour for each one-hour recitation or lecture and two hours preparation or laboratory period required for each of the eighteen weeks of a semester.

All subjects required for graduation are offered at the Farm campus but the student may elect sciences and academic subjects at the City campus. Students may take elective subjects at the Farm campus, or at the City campus, in the College of Arts and Sciences.

THE GENERAL AGRICULTURAL AND HOME ECONOMICS GROUPS

Students who have satisfied all matriculation requirements and completed the courses in the prescribed groups together with sufficient electives to make a total of 125 University credit hours, will be granted the degree of Bachelor of Science in Agriculture or Home Economics. No student is recommended for a degree who is not within 18 hours of this requirement at the beginning of his last semester.

All students except those in the Agricultural Practice Group are required to register according to the outlined courses.

Required Subjects. Each candidate for the degree of Bachelor of Science in Agriculture or Home Economics in the College of Agriculture must complete the following subjects:

For the General Agricultural Group:	Hours
Agriculture.....	27
Major subject (Agriculture or Science) additional.....	20
Elective subjects ¹	23
Biology (Botany or Entomology ²).....	12
Chemistry.....	10
Biological, Physical, or exact Science.....	8
English (Rhetoric 1, 2 and Rhetoric or English Literature).....	10
Economics 1, Farm Management 11 or 12.....	5
History or Sociology.....	6
Military Science.....	4
Total	125
For the Home Economics Group ³ :	Hours
Foreign language, ancient or modern.....	10
English ⁴ (Rhetoric and English Literature).....	19
History.....	6
Philosophy, Sociology or Political Science and Education.....	6
Chemistry ⁵	15
Fine Arts 15, 16.....	3
Education.....	2
Biological Sciences (Botany or Zoology, Bacteriology and Physiology).....	12
Physical Training.....	5
Home Economics.....	30
Electives.....	26
Total	125

Science Requirement. Students selecting the Agricultural Group will be required to complete 27 hours of prescribed agriculture, 20 hours in some major subject, and 31 hours additional in Natural or Physical Science. Students selecting the Home Economics Group will be required to take 30 to 36 hours of Home Economics with 28 to 32 hours of Biological or Physical Science.

Military Science Required. Four hours of military science (courses 1, 2, 3, 4) are required of all men students. Only credibly attested physical disability or membership in a religious organization whose creed forbids participation in warfare in any form (on the part of parent in case of a

¹Elective subjects may be taken in the departments at the University Farm or may be taken in academic or science subjects at the City campus.

²Zoology may be taken at the City campus in place of Botany or Entomology.

³For the additional requirements for the University Teachers' Certificate see pages 91, 92.

⁴Rhetoric 1, 2 required.

⁵This requirement is increased to 19 hours if less than two points entrance credit in Chemistry is offered.

minor) is accepted as excusing from the requirements in military science. Those excused for conscientious scruples are required to do work in Physical Education equivalent in amount. Unless excused or reprieved, each undergraduate man must fulfill this requirement in freshman and sophomore years. A man excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degree sought. Thoro drill elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

Major Subjects. Not later than the beginning of the Junior year each student in the College of Agriculture must select some one department of the college in which he will take a major of not less than 20 hours nor more than 30 hours except in the Home Economics Group in which 36 hours may be taken. Upon approval of the Head of the Department in which the major work is done, closely related subjects may be offered to make up the 20 hours minimum.

The University Teachers Certificate

The University Teachers Certificate is granted only to students who (1) maintain an average of at least 80 per cent in the group of subjects to be taught and a high average in all other subjects in the collegiate course, (2) show special fitness for teaching. This certificate entitles its holder to teach in any high school in Nebraska and is valid in many other states; after three years' successful experience in Nebraska it may be converted into a life certificate by the endorsement of the State Superintendent.

Requirements. 15 hours of Education; 6 hours of Philosophy.

1. The candidate must hold the Bachelor's or Master's degree from the University. Hours
2. Psychology 1 and 2. 6
- Education
- History of Education 1 and 2. 6
- Educational Psychology 16. 2
- Educational Theory and Practice. 3
- For Teachers of Agriculture
- Agricultural Education 1. 2
- Special Methods (elect 2 hours)
- Agonomy 17. 2
- Agricultural Engineering 20. 2
- Animal Husbandry 16. 2
- For Supervisors of Home Economics
- Home Economics 13 and 14. 4
3. A major of not less than 30 hours and a minor of not less than 18 hours may be taken in the subjects of Domestic Science and Domestic Art.

The First Grade City State Teachers Certificate

Requirements—12 hours of Education; 3 hours of Philosophy.

General	Hours
Psychology 3.....	3
Education	
History of Modern Education 2.....	3
Educational Theory and Practice.....	3
Educational Psychology or Child Study.....	2
For Teachers of Agriculture	
Agricultural Education 1.....	2
Special Methods (elect 2 hours)	
Agronomy 17.....	2
Agricultural Engineering 20.....	2
Animal Husbandry 16.....	2
For Supervisors of Home Economics	
Home Economics 13 and 14.....	4

NOTE—The first grade city state teachers certificate may be converted into a life certificate by the endorsement of the State Superintendent after three years successful experience.

Advisers. Every student, before registering, must consult an Adviser in regard to his schedule and secure his Adviser's signature to this schedule.

Freshmen and other entering students shall report to the Dean of the College for assignment to an Adviser. For the Freshman and Sophomore years, a special group of Advisers is provided, in order that students may be assisted to complete the required subjects as fully as possible within these years. At the end of his second year, any student may select as his Adviser any member of professorial rank in the department of the College of Agriculture in which he elects to take his Major work. The Dean of the College constitutes a head Adviser for each student within the College. The Dean of Women is special Adviser to all women students in the College.

Absence or Withdrawal. A leave of absence for a short time may be granted a student by the Dean. This leave is merely a justification for absence and not an excuse from any work. Students not previously excused shall make request for excuse for absence within two weeks after the absence ceases. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

ORDER OF COURSES IN THE GROUPS OF STUDY

GENERAL AGRICULTURAL GROUP

FIRST YEAR	First Semester Hours	Second Semester Hours
Biology (Plant Pathology and Physiology 101, 102 or Botany 1, 2 or Entomology 3, 4).....	3	3
Physical Science (Agricultural Chemistry ² 101, 102 or Chemistry 1, 2).....	3	3
Rhetoric 1, 2.....	2	2
Animal Husbandry 1.....	4	
Agricultural Engineering 1 (Carpentry), 2 (Forge Work), or 3 (Farm Machinery).....	2	2
Geography 52.....		3
Dairy Husbandry 1, 2.....	2	2
Military Science 1, 2.....	1	1
	—	—
	17	16

Modern language (French or German) may be substituted for 5 hours of agricultural subjects in each semester.

SECOND YEAR		
Agricultural Chemistry 103.....	5	
Biology (Botany, Entomology, Zoology 11, 12, Plant Pathology and Physiology 101, 102).....	3	3
Agronomy 1 (Crops), 51 (Soils).....	3	4
Horticulture 2.....		2
Electives ³	4	6
Military Science 3, 4.....	1	1
	—	—
	16	16

THIRD YEAR		
Farm Management 3.....	3	
Major subjects (Agriculture or Science).....	5	5
Economics 1, Farm Management 11 or 12.....	3	2
Electives ³	5	9
	—	—
	16	16

¹Botany 1, 2 and Zoology are offered at the City campus. Plant Pathology and Physiology 101, 102 and Entomology 3, 4 are offered at the Farm campus.

²Where less than 2 points Chemistry is offered for entrance, Chemistry is taken as a five hour subject and Dairy Husbandry or Agricultural Engineering omitted.

³Additional Rhetoric or English Literature, 6 hours required. Physics 11, 12, or Mathematics 1, 2 offered at the City campus may be elected.

FOURTH YEAR	First	Second
	Semester Hours	Semester Hours
History or Sociology	3	3
Major subjects (Agriculture or Science)	5	5
Electives ¹ to complete 125 hours credit	6	6
	—	—
	14	14

TWO YEAR AGRICULTURAL PRACTICE GROUP

Offered at the University Farm

Students in this course should register for Rhetoric 1, 2 and Military Science 1, 2, 3, 4 which are absolute requirements. It is expected that students will continue work the second semester in each department in which they have done work the first semester. Students continuing in the College more than two years must enter General Agricultural Group and complete science requirements before continuing their agricultural subjects.

FIRST YEAR	First	Second
	Semester Hours	Semester Hours
Animal Husbandry 1 (Breeds and Judging)	4	
Animal Husbandry 2 (Judging), 4 (Feeding)		4
Agronomy 1 (Forage Crops), 2 (Cereals)	3	4
Agricultural Engineering 1 (Wood Work), 2 (Forge Work)	2	2
Dairy Husbandry 1, 2 (Principles of Dairying)	2	2
Horticulture 1 (Vegetable Growing,) 2 (Fruit Growing)	2	2
Rhetoric 1, 2 (required)	2	2
Military Science 1, 2 (required)	1	1

Elective subjects not to exceed 4 hours, upon approval of the Dean.

The student may register for a maximum of 17 hours.

Agricultural Chemistry 101, 102 or 100D, 100E or Plant Pathology and Physiology 101, 102 are optional with any of the above agricultural subjects except Military Science and Rhetoric.

SECOND YEAR ¹	First	Second
	Semester Hours	Semester Hours
Agronomy 51, 52 (Soils).....	4	4
Farm Management 3 (Farm Organization), 2 (Cash Accounting) or 12 (Distribution of Agricultural Products).....	3	
Animal Husbandry 13, 14 (Live Stock Management) ..	2	2
Agricultural Engineering 3 (Farm Machinery), 4 (Farm Motors).....	2	2
Animal Pathology 1.....	3	
Entomology 8.....		3
Dairy Husbandry 3 (Milk Production), 4 (Butter Mak- ing).....	2	3
Horticulture 11, 13 or 15 (First semester), 12, 20 or 16 (Second semester).....	3	3
Rhetoric 1a, 2a.....	3	3
Military Science 3, 4 (required).....	1	1

The student may register for a maximum of 17 hours.

Agricultural Chemistry 103 (Organic), 104 (Agricultural), optional with
agricultural subjects.

HOME ECONOMICS GROUP

FIRST YEAR

Home Economics 1, 2 (Sewing and Textiles).....	3	3
Fine Arts 15, 16 (A and S) ²	2	1
Rhetoric 1, 2 (A and S) ²	2	2
Chemistry 1, 2 ¹ or Agricultural Chemistry 101, 102...	3	3
Language, Ancient or Modern (A and S) ²	5	5
Physical Education 21, 22 (A and S) ²	1	1
	<u>16</u>	<u>15</u>

³FIRST YEAR FOR STUDENTS WHO HAVE NO ENTRANCE CREDITS IN CHEMISTRY

Home Economics 1, 2 (Sewing and Textiles).....	3	3
Fine Arts 15, 16 (A and S) ²	2	1
Rhetoric 1, 2 (A and S) ²	2	2
Physical Education 21, 22 (A and S) ²	1	1
Chemistry D, 1 and 2 (A and S) ² or Agricultural Chemis- try 100D, 100E.....	5	5
History or other required subject.....	3	3
	<u>16</u>	<u>15</u>

¹A student may register for the first year's work in any department
above instead of the work scheduled if he does not have credit in the earlier
courses.

²Given in College of Arts and Sciences.

³The requirements in foreign language must be fulfilled later.

SECOND YEAR	First	Second
	Semester Hours	Semester Hours
Home Economics 3, 4 (Elementary Food Study).....	4	4
Agricultural Chemistry 103, 105 or Chemistry 3, 14 (A and S) ¹	5	5
Botany 1, 2 (A and S) ¹ or Zoology 11, 12 (A and S) ¹ or Plant Pathology and Physiology 101, 102.....	3	3
English Literature 1, 2 (A and S) ¹	3	3
Physical Education 9 (A and S) ¹		1
Physical Education 23, 24 (A and S) ¹	1	1
	—	—
	16	17
THIRD YEAR		
Home Economics 6 (Dietetics).....		4
Home Economics 7, 8 (Textiles and Clothing).....	3	3
Bacteriology 2a (A and S) ¹	2	
Physiology 1, 2 (A and S) ¹	2	2
Philosophy ² 1, 2 (A and S) ¹ or Philosophy 3 and Sociol- ogy or Economics.....	3	3
Electives.....	6	4
Home Economics 5.....3 hours		
Entomology 10.....2 hours		
	—	—
	16	16
FOURTH YEAR		
Home Economics 9, 10 (Household Administration)...	3	3
Agricultural Engineering 17.....	1	
Education 7 (Child Study) or Educational Psychology 16 (A and S) ¹	3	or 2
History.....	3	3
Electives.....	6	9
	—	—
	16	15

¹Given in the College of Arts and Science

²Philosophy 1 and 2 are required of candidates for the University Teachers' Certificate. Philosophy 3 is accepted from candidates for the First Grade City State Teachers' Certificate. See page 92.

**The Agricultural Experiment
Station for Nebraska**

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¹Detailed from Office of Dry Land Agriculture, United States Department of Agriculture, Washington, D. C.

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THE CENTRAL EXPERIMENT STATION

The Nebraska Agricultural Experiment Station, carried as a department of the College of Agriculture of the University of Nebraska, is maintained from funds appropriated by Congress, supplemented by state appropriations. Under the provisions of the Hatch Bill, each state and territory that had established an agricultural college under the land grant act of 1862 was offered funds to establish, in connection therewith, an agriculture experiment station. Nebraska assented to the conditions and was one of the states to receive immediate benefits from the act.

The work contemplated by the law providing for these experiment stations is set forth as follows in section 2 of the act establishing the station:

SECTION 2. That it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under the varying series of crops; the capacity of new trees or plants for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agriculture industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states and territories.

On March 16, 1906, an act known as the Adams act became effective, granting increased support to the Experiment Station for purely technical investigations along the lines mentioned in the Hatch act under which the Experiment Station was established, and since the acceptance of this fund the Experiment Station has been conducting these technical lines of investigation in accordance with this act.

The central experiment station is located at the University Farm, except the Finance Office, which is located at the University Campus. The farm comprises a tract of 320 acres located three miles east of the University, having street car connections. About one hundred acres is now laid off in experiment plats for field crops, fruits, and vegetables. The animals used for experiment are in a measure furnished from the herds of cattle, sheep and hogs used for instructional purposes. The 1917 Legislature made an appropriation to purchase an additional farm for the central station and a demonstration fruit farm to be located in the southeastern part of the State. The offices of the Director and of the Extension Service are in Agricultural Hall. The department of Animal Husbandry is located in the

Judging Pavilion. The Farm Management and Poultry departments are located in Farm Management Hall (the old dairy building). Dairy Husbandry is located in the new Dairy Industry Hall. The office of the department of Agricultural Chemistry, and the laboratories for investigation in this line are in Experiment Station Hall. The departments of Horticulture, Agricultural Botany and Entomology and the offices of Experimental Agronomy are in Plant Industry Hall. Animal Pathology has a separate building.

THE EXPERIMENTAL SUBSTATIONS

North Platte Substation. The Experimental Substation provided for by the Legislature of 1903 is located in Lincoln County, three miles south of North Platte, on a tract of 1,920 acres. This farm contains 270 acres of bench land with an elevation of about 2,800 feet. About 140 acres of this farm is level table-land with an elevation of 3,000 feet, the remainder of the farm being rough canyon and table-land devoted to pasture. The experiments in crop and animal production upon this farm are comparable with nearly all the crop production and animal industry of Central Nebraska. Experiments in crop production are conducted without irrigation, except upon a tract of about ten acres which is irrigated by pumping. Bulletins are published from time to time thru the central experiment station.

Valentine Substation (the Sand Hills Station). The Legislature of 1909 provided for an additional substation west of the second guide meridian and north of the sixth standard parallel. This station was located by the Regents, after due consideration, at Valentine, Nebraska, upon a portion of the Military Reservation adjoining the town to the southeast, a permanent lease being secured from the War Department to section 32, the west half of section 33, and that part of the southeast quarter of section 33 lying northwest of the Niobrara river,—all in township 34 north, range 27 west, in Cherry County, Nebraska. Upon request to the citizens of Valentine, a deed was given to the Regents for the University to 40 acres of land lying immediately west of section 32, being the northeast quarter of the southeast quarter of section 31, township 24 north, range 27 west, in Cherry County, Nebraska. Experiments in forage crop production, wind breaks and shelter belts, and in farm dairying are in progress.

The Scottsbluff Substation. The Legislature of 1909 also provided for an appropriation to be used in co-operation with the United States Department of Agriculture to study irrigation methods and crop production in the North Platte Valley. 160 acres of land located on the southeast quarter of section 21, township 23 north, range 57 west, was selected for this purpose and was withdrawn from entry by the Reclamation Service and assigned to the use of the United States Department of Agriculture and the Nebraska Experiment Station for the purposes above named. Experimental work in crop rotation, the application of water to the land, and

other questions relative to the development of agriculture in the North Platte Valley are in progress. Work in dry land agriculture is also being studied on land which does not receive irrigation water.

The Culbertson Demonstration Farm was sold in 1916 by order of the legislature of 1915.

EXPERIMENT STATION BULLETINS

Each year the Station publishes at least four bulletins. These contain the results of investigations in subjects pertaining to agriculture. Many of these bulletins cover lines of technical investigation upon scientific subjects relating to agriculture. The reports of investigation at all sub-stations are published thru the central station. The edition of each bulletin varies from 3,000 to 10,000 in technical bulletins and from 10,000 to 30,000 or more in regular bulletins. An Annual Report of 5,000 copies is published, containing a summary of the work of the year and experimental results of interest to investigators. The publications of the Station since those reported in the last General Catalog are as follows:

Twenty-ninth Annual Report. Presented to the Governor February 1, 1916. 5,000 copies.

Thirtieth Annual Report. Presented to the Governor February 1, 1917. 5,000 copies.

Bulletin No. 157. Farm Management Studies in Eastern Nebraska. By H. C. Filley. Distributed October 15, 1916. 17,000 copies.

Bulletin No. 158. (Popular Edition of Research Bulletin No. 10.) Why, When, and How to Spray. By J. Ralph Cooper. 20,000 copies.

Bulletin No. 159. (Scottsbluff Substation Bulletin No. 4.) Pork Production on Irrigated Lands in Western Nebraska. By James A Holden. 12,000 copies.

Bulletin No. 160. Oats Investigations. By T. A. Kiesselbach. (In press.)

Bulletin No. 161. Relation of Size of Seed and Sprout Value to the Yield of Small Grain Crops. By T. A. Kiesselbach. (In press.)

Research Bulletin No. 8. The Colloidal Swelling of Wheat Gluten in Relation to Milling and Baking. By F. W. Upson and J. W. Calvin. Distributed June 30, 1916. 5,000 copies.

Research Bulletin No. 9. A Physiological Study of Two Strains of Fusarium in Their Causal Relation to Tuber Rot and Wilt of Potato. By Geo. K. K. Link. Distributed September 15, 1916. 1,500 copies.

Research Bulletin No. 10. Spraying Experiments in Nebraska. By J. Ralph Cooper. Distributed April 10, 1917. 4,000 copies.

Research Bulletin No. 11. Studies Concerning the Elimination of Experimental Error in Comparative Crop Tests. By T. A. Kiesselbach. (In press.)

Experiment Station Circular No 1. Measuring Silage and the Capacity of Silos. By L. W. Chase. (In press.) 12,000 copies.

Experiment Station Circular No. 2. Pump Irrigation in Nebraska. By E. E. Brackett and O. W. Sjogren. Distributed March 10, 1917. 12,000 copies.

Experiment Station Circular No. 3. Cooling Tanks and Milk Houses as Factors in Cream Improvement. By J. H. Frandsen. Distributed May 5, 1917. 20,000 copies.

Experiment Station Circular No. 4. Pork Production in Nebraska. By E. A. Burnett. Distributed May 5, 1917. 15,000 copies.

Extension Bulletins of the College of Agriculture

Extension Bulletin No. 37. Short Courses, or Extension Schools in Agriculture and Home Economics. By C. W. Pugsley and P. L. Gaddis. Distributed June 15, 1916. 10,000 copies.

Extension Bulletin No. 38. The Marketing of Mixed Grains. By H. C. Filley and P. L. Gaddis. Distributed August 15, 1916. 10,000 copies.

Extension Bulletin No. 39. Pit, Semi-Pit, and Bank Silos. By L. W. Chase. Distributed February 10, 1917. 10,000 copies.

Extension Bulletin No. 40. Wooden Silos Used in Nebraska. By L. W. Chase and Ivan D. Wood. Distributed February 15, 1917. 10,000 copies.

Extension Bulletin No. 41. The Farm Inventory. By H. F. Williams. Distributed February 25, 1917. 5,000 copies.

Extension Bulletin No. 42. Vocational Education: Its Relation to School Gardening. By C. W. Pugsley. Distributed April 18, 1917.

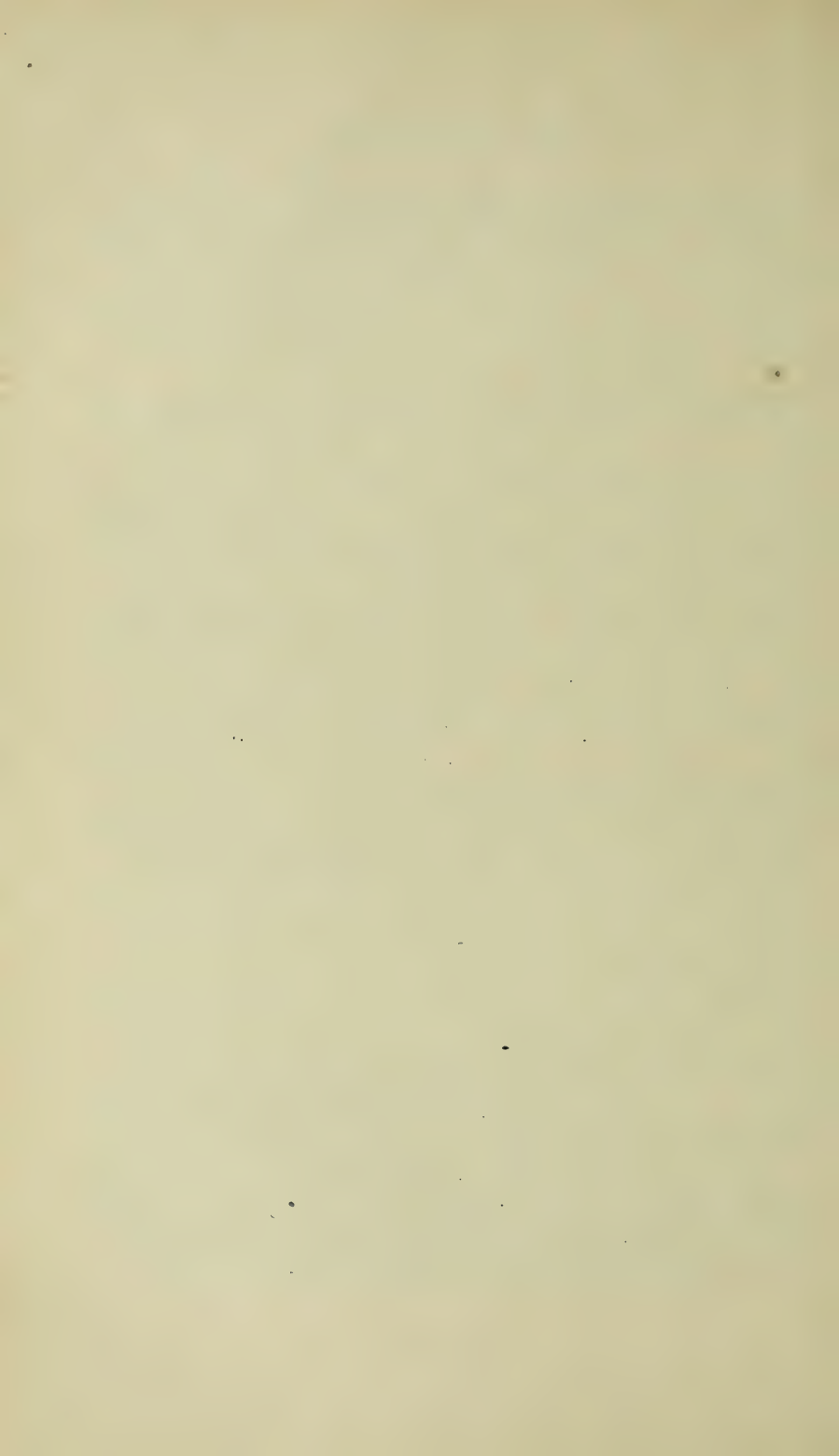
Extension Bulletin No. 43. The Home-School Garden. By C. W. Pugsley. Distributed April 18, 1917.

Extension Bulletin No. 44. Every Cow on Her Own Merit. By D. H. Propps. Distributed May 5, 1917.

Extension Bulletin No. 45. Handling Silage. By L. W. Chase. (In press.) 10,000 copies.

Junior Circulars have been issued on Corn Growing, Potato Growing, Tomato Culture, General Gardening, Canning, Poultry Raising, Pig Raising, Cooking, and Sewing. Several "Emergency Bulletins" have also been issued, dealing with the question of food production and conservation.

The Experiment Station desires to assist the farmers of the state in solving many of the difficult and perplexing problems that affect our agricultural production, and to this end is carrying on investigations along lines that aid the practical farmer. The co-operation of all who are interested in the improvement of agricultural practice is invited.



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¹Resigned.

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- BURTON EVANS MOORE, Ph. D., Professor of Physics.
- PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts and Professor of Modern German Literature.
- HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*)

¹Absent on leave.

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- CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean and Professor of Applied Mathematics.
- BENTON DALES, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)
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- PHILO MELVIN BUCK, JR., A. M., Professor of Rhetoric.
- EDWARD JAMES STEWART, M. D., Professor and Director of Athletics.
- GEORGE ANDREW LOVELAND, A. M., LL. B., Professor of Meteorology.
- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- CLARK EDMUND PERSINGER, A. M., Professor of American History.
- FRANKLIN DAVIS BARKER, Ph. D., Professor of Medical Zoology and Parasitology.
- WILLIAM CHARLES BRENKE, Ph. D., Professor of Mathematics.
- RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)
- MYRON HARMON SWENK, A. M., Professor of Economic Entomology.

¹Absent on leave.

- CHARLES WILLIAM TAYLOR, A. B., Professor of School Administration and Principal of Teachers College High School. (*Head of Department of School Administration.*)
- JAMES FRANKLIN STEVENS, A. M., M. D., Professor of Introductory Medicine.
- MALCOLM GLENN WYER, M. L., B. L. S., Librarian. (*With rank of Professor.*)
- LEON EMMONS AYLSWORTH, A. M., Professor of Political Science.
- LOUIS BRYANT TUCKERMAN, JR., A. B., Professor of Theoretical Physics.
- DAVID DAY WHITNEY, Ph. D., Professor of Zoology and Anatomy.
- SARKA HRBKOVA, A. M., Professor of Slavonic Languages. (*Head of Department of Slavonic Languages.*)
- EDWIN MEAD WILCOX, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station. (*Head of Department of Plant Pathology and Physiology.*) Plant Industry Hall No. 304.
- NELS AUGUST BENGTSON, A. M., Professor of Geography and Conservation.
- ELDA REMA WALKER, Ph. D., Associate Professor of Botany.
- ANDREW D. SCHRAG, Ph. D., Associate Professor of Germanic Languages and Literatures.
- SHERLOCK BRONSON GASS, Ph. B., Associate Professor of Rhetoric.
- GEORGE BORROWMAN, Ph. D., Associate Professor of Chemistry.
- LEVA BELLE WALKER, A. M., Associate Professor of Botany.
- GEORGE ASBURY STEPHENS, Ph. D., Associate Professor of Economics.
- OSCAR ROSS MARTIN, A. M., Associate Professor of Accounting and Business Administration.
- ROBERT DOUGLAS SCOTT, A. M., Associate Professor of Modern English Drama.
- HATTIE PLUM WILLIAMS, Ph. D., Associate Professor of Practical Sociology.
- INA ESTELLE GITTINGS, A. B., Associate Professor of Physical Education and Director of the Women's Gymnasium.
- ECK FRANK SCHRAMM, A. M., Associate Professor of Geology.
- HARRIET ALICE HOWELL, A. M., Associate Professor of Elocution and Dramatic Art.
- LAURA BELLE PFEIFFER, Ph. D., Associate Professor of European History.
- ELIZABETH IRENE REESE, A. M., Associate Professor of Romance Languages and Literatures.
- JOHN ERNST WEAVER, Ph. D., Associate Professor of Botany.
- BLANCHE CHLOE GRANT, A. B., Associate Professor of Drawing and Painting.

- HOMER BACKER LATIMER, A. M., Associate Professor of Zoology and Anatomy.
- FREDERICK WARREN SANFORD, A. B., Associate Professor of Roman History and Literature.
- GEORGE KONRAD KARL LINK, Ph. D., Associate Professor of Plant Physiology. Plant Industry Hall 304.
- AMANDA HENRIETTA HEPPNER, A. M., Assistant Professor of Germanic Languages and Literatures.
- FRANCIS JOSEPH PERUSSE, Ph. C., B. Sc., Assistant Professor of Pharmacy.
- JOSEPH EMANUEL ALEXANDER ALEXIS, A. M., Assistant Professor of Swedish and Germanic Languages.
- CARRIE BELLE RAYMOND, Director of Music.
- MARY LOUISE FOSSLER, A. M., Assistant Professor of Chemistry.
- ALICE CUSHMAN HUNTER, Ph. D., Assistant Professor of Roman History and Literature.
- MARGUERITE CAMERON MCPHEE, A. M., Assistant Professor of Rhetoric.
- MAY CHAMBERLAIN, A. M., Assistant Professor of Germanic Languages and Literatures.
- CLARENCE JACKSON FRANKFORTER, A. M., Assistant Professor of Chemistry.
- WINIFRED FLORENCE HYDE, Ph. D., Assistant Professor of Philosophy.
- ELSIE DAY, A. B., Ph. G., Assistant Professor of Pharmacognosy.
- HENRY BLUMBERG, Ph. D., Assistant Professor of Mathematics.
- ADDISON ERWIN SHELDON, A. M., Lecturer in Political Science.
- CARRIE ADELINE BARBOUR, B. Sc., Assistant Professor of Paleontology and Assistant Curator of the University Museum.
- DAISY JEANETTE NEEDHAM, A. M., Assistant Professor of European History.
- MINNIE THROOP ENGLAND, Ph. D., Assistant Professor of Economics and Commerce.
- EDITH LENORA WEBSTER, A. B., Assistant Professor of Geology.
- SEARL S. DAVIS, A. B., Assistant Professor of Rhetoric and Public Speaking.
- ARTHUR QUINCY TOOL, A. M., Assistant Professor of Physics.
- ¹JOHN TORRENCE TATE, Ph. D., Assistant Professor of Physics.
- RALPH WARD DAWSON, B. Sc., Assistant Professor of Entomology.
- JOHN JACOB THIEL, A. B., Assistant Professor of Germanic Languages.
- LULU L. RUNGE, A. M., Assistant Professor of Mathematics.

¹Resigned.

GARLAND EDISON LEWIS, A. M., Assistant Professor of Chemistry.
 ALBERT BABBITT, A. M., Assistant Professor of Mathematics.
 BERTRAM JOHN SPENCER, Demonstrator and Teacher of Construction in Physics.

CLARENCE EMERSON, M. D., Demonstrator in Anatomy.
 HENRIETTA McELROY BROCK, Instructor in China Painting.
¹VIOLA FLORENCE BARNS, A. M., Instructor in American History.
 CLARE BROWN CORNELL, Ph. D., Instructor of the Cadet Band.
 MARGARET LOUISE HANNAH, A. B., Instructor in Botany.
 LOUISE EASTERDAY MUNDY, Instructor in Drawing and Painting.
 FREDERICK R. HANLEY, A. B., Instructor in Romance Languages.
 ROBERT WALPOLE ELLIS, M. A., Instructor in Geology.
 DOROTHY BALDWIN, Instructor in Physical Education.
 JOHN P. SENNING, A. B., Instructor in American History.
²RICHARD BURR RUTHERFORD, A. B., Instructor in Athletics.
 SHIRLEY D. BABBITT, A. M., Instructor in Rhetoric.
 WALTER CAMPBELL, B. P. E., Instructor in Physical Education.
 PAUL F. CLIFFORD, A. B., Instructor in Romance Languages.
 MARY ALICE COLPITTS, A. M., Instructor in Mathematics.
 JESSIE BEGHTOL LEE, A. B., Instructor in Physical Education.
 WILLIAM DOTY MAYNARD, A. M., Instructor in Romance Languages.
 ISABEL THOMES, A. B., Instructor in Romance Languages.
 ELLA CETONIA WITTIE, Instructor in Public School Drawing.
 THEODORE TUNISON BULLOCK, A. M., Instructor in Economics.
 DANA F. COLE, A. B., Assistant Instructor in Economics.

Standing Committees

Course of Study—Professors Fossler (*Chairman*), Brenke, Caldwell, Frye, Hinman, Lees, Pool, Skinner, Stuff.

Advanced Standing—The Chancellor, the Dean, The Inspector of Accredited Schools.

Assignment of Recitations and Laboratories—Professors Engberg (*Chairman*), Alexis, A. Babbitt, S. D. Babbitt, Barker, Blumberg, Bullock, Davis, Gish, Hanley, Lewis, Schrag, Scott, Senning, Stephens, Thiel, Tool, L. Walker, Wimberly.

Board of Registration—Professors Lees (*Chairman*), Almy, Bengtson, Conklin, Stuff, Taylor.

¹Absent on leave.

²Resigned

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is the oldest of the colleges of the University. It offers four years of undergraduate instruction leading to the degree of Bachelor of Arts or of Bachelor of Science. Its chief object is a liberal education, but by a system of "Advisers" and "major subjects" it permits of vocational specialization, especially in junior and senior years. In addition, students desiring to combine a liberal arts course with the technical one of law, medicine, or engineering are offered six-year combined academic and professional or technical groups of study leading to the degrees of bachelor of arts or bachelor of science at the end of four or five years and to the degree of bachelor of laws, doctor of medicine, or bachelor of science in engineering at the end of the sixth year.

ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below under "Admission by Certificate," and in the subjects for the amount indicated below under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours¹ and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point* is essential:

Required Subjects	Points
English.....	4
History (European) (a).....	2
Language (foreign) (b).....	6 to 4
Mathematics (algebra and geometry) (b).....	4 to 6
Science (laboratory).....	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school.....	12
Total.....	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and mathematics—

Ten points of foreign language and mathematics are required with a minimum of four points in either. In the Academic-Medical course Greek or Latin is recommended.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished*, showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that College of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are

given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration occurs during the first four days of each semester and each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A like fee of \$3 is charged for any change whatever in registration (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one college to another must pay a new matricula-

tion fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of the College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser, approved by the Dean of the College. A first or second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third or fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

Advisers—Every student before registering must consult an Adviser in regard to his schedule and secure his Adviser's signature to this schedule.

Freshmen and other entering students shall report to the Registrar for assignment to an Adviser. For the freshman and the sophomore years a special group of Advisers is provided, in order that students may be assisted to complete the *required subjects* as fully as possible within these years. At the end of the second year, any student who is not taking a major may select as his Adviser any member of professorial rank in the Faculty of the College of Arts and Sciences. Any student may change his Adviser upon consultation with the Dean of the College. On the choice of a major department at the beginning of the second year, any professor in the department thus chosen becomes the student's Adviser for the remainder of his college course. No schedule of subjects or hours is valid for registration without the signature of the student's Adviser. The Dean of the College acts as a head Adviser for all students within the College, and the Dean of Women as a special Adviser to all women students.

Freshman Program—The following program for freshmen is intended to furnish a foundation, fairly broad in outline, for the four years of the college course. In addition to rhetoric, which aims to teach the student how to use correct and forceful English, each student chooses one language and one laboratory science. Each student is then given freedom to choose up to six hours of special work in any subject open to freshmen. Students

who desire to specialize more intensely in one or two lines of work, beyond the six hours mentioned above, and who have no intention of remaining during the four years necessary for graduation, may on good and sufficient reasons be granted permission to pursue such a special course upon application to the Board of Registration.

From the following program for freshmen choose from 12 to 17 hours in the following order:

First: Take I.

Second: Take any one or two of II.

Third: Take any one or two of III.

Fourth: Complete the program, if not already completed, from group IV, or any subject or subjects open to freshmen.

	First Semester Hours	Second Semester Hours
I. Rhetoric 1, 2.....	2	2
Military Science (Men) or Physical Training (Women)	1	1
II. Language ¹		
German.....	5	5
Greek.....	5	5
French.....	5	5
Latin.....	5	5
Spanish.....	5	5
III. Mathematics.....	3 or 5	3 or 5
Botany.....	3	3
Chemistry.....	3 or 5	3 or 5
Physics.....	3	3
Zoology ²	3 or 5	3 or 5
IV. American History 1, 2.....	3	3
English History 1, 2.....	3	3
European History 1, 2.....	3	3
English Literature 1, 2.....	3	3
Geology 1, 2.....	3	3
Political Science 1, 2.....	3	3
Astronomy 5, 6.....	2	2
Economics 3, 4.....	2	2
Entomology 1, 2.....	2	2
Fine Arts.....	1-3	1-3
Geography 1, 2.....	2	2

¹Any other language may be taken instead of those given in the freshman program on consent of your Adviser and instructor.

²Students fitting themselves for professional work in Entomology may substitute Entomology 1 and 2, taking Zoology 3 and 4 later.

Fees—The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The following fees are required of students in the College of Arts and Sciences:

Matriculation (payable on entering each college).....	\$5.00
Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one College to another.	
¹ Incidental, each semester.....	3.00
² Library, each semester.....	1.00
Diploma, undergraduate, on graduation.....	5.00
Diploma, undergraduate, in absentia.....	15.00
Special:	
Re-registration (including change in registration).....	3.00
Late registration (after registering days).....	3.00
Examination, each subject.....	1.00

Laboratory Fees—In addition to the foregoing general or miscellaneous fees, each student is required to pay the laboratory fee for each subject in which he is registered for laboratory work. These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned, to pay the amount of such waste or damage at the secretary's office, and to present his receipt therefor to the department before his semestral credit is reported to the Registrar.

¹In the six-year combined academic and professional groups (engineering, law and medicine) this fee is charged until such time as the candidate obtains his academic degree.

²No student paying a laboratory fee is required to pay this fee for the same semester.

- Anatomy—Courses (Zoology) 51, 52, 54, \$10; (Zoology) 53, \$15.
- Bacteriology and Pathology—Courses 2a, 3, 4, \$5.
- Botany—Courses 1, 2, 15, 16, 17, 18, 21, 22, \$2; 3, 4, 5, 6, 19, 20, 23, 24, 25, 26, \$3; 13, 14, 27, 28, 29, 31, 33, 34, \$1; A, \$4; B, C, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, for each credit hour a semester, \$1.
- Chemistry—Courses A, B, 1, 2, 21, 34, \$5; 5, 15, 16, 23, 27, 41, \$2; D, 1 and 2, 3, \$10; 14, \$6; 19, 20, \$4; 7, 8, 22, 23a, 39, 40, for each credit hour a semester, \$1; 4, for each credit hour a semester, \$2.
- Entomology—Courses 1, 2, 3, 4, 7, 8, 10, 11, \$1; 5, 6, \$2; 15, 16, 17, 18, for each credit hour a semester, \$1.
- Fine Arts—Courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22, 23, 24, \$2.
- Geography and Conservation—Courses 1, 2, 5, 6, 7, 8, 21, 22, 23, 24, 28, 52, \$1.
- Geology—Courses 1, 1a, 2, 13, 18, 25, 27, 31, 33, 34, \$1; 15, 16, \$3.
- Histology and Embryology—Course (Zoology) 55, \$3.
- Physics—Courses 1, 2, 3, 4, 6, 11, 12, 13, 14, 17, 18, \$4.
- Physiology and Pharmacology—Courses 1, 2, 3, 6, \$5; 4, 5, \$3; 8, \$8; 10, 11, \$2; 19, 20, for each credit hour a semester, \$2.
- Psychology—Course 1, \$1.
- Zoology—Courses 3, 4, 11, 12, 13, 14, 17, 26, 32, 35, \$2; 3 (with additional laboratory work), 4 (with additional laboratory work), 15, 20, 21, 23, 25, \$3; A, 24, \$4; 18, 22, \$5; 8, 9, \$1; 33, 34, 36, 37, 43, for each credit hour a semester, \$1.

REQUIREMENTS FOR GRADUATION

University Credits (125 hours)—For the degree of Bachelor of Arts or of Bachelor of Science, 125 University credit hours¹ are required. No student is recommended for a degree who is not within eighteen hours of this requirement at the beginning of his last semester.

No student is permitted to be a candidate for more than one degree at a time. Not more than one degree can be conferred upon any student on any commencement day. A graduate holding the degree of Bachelor of Arts may receive the degree of Bachelor of Science by an additional year of work (30 hours), two-thirds of which must be given to a major in Exact Science, Physical Science, or Biological Science. A graduate holding the degree of Bachelor of Science may receive the degree of Bachelor of Arts by an additional year of work (30 hours), two-thirds of which must be given to a major in the Mother Tongue, Classics, Modern Language, History, Philosophy, or Economics.

¹A course receives one hour of credit for each one-hour recitation or lecture which presupposes two hours of preparation or for the equivalent of a three-hour laboratory period during each of the eighteen weeks of a semester.

Required Subjects (8 hours)—Each candidate for graduation from the College of Arts and Sciences is absolutely required to complete the following subjects:

	Hours
Rhetoric (courses 1 and 2).....	4
¹ Military Science (men) or Physical Education (women).....	4

Optional Subjects (36 to 44 hours)—Each candidate for the bachelor's degree is required to choose two groups from each of the following divisions (A, B, C),² in the amount indicated, which shall be completed before the end of his junior year:

	Hours
A (1) Mother Tongue.....	6
(2) Classics (Greek or Latin) ³	10
(3) Modern Language (other than English).....	10
B (4) History.....	6
(5) Philosophy.....	6
(6) Economics or Political Science.....	6
C (7) Exact Science (Mathematics).....	6
(8) Physical Science (Chemistry or Physics).....	6
(9) Biology (Botany or Zoology).....	6

Each Sophomore shall take at least one subject (other than Rhetoric and Military Science or Physical Education) continued from his freshman year.

Specialization—Students shall be permitted to choose their elective studies without reference to majors or minors; but each student before graduation shall complete at least two years work in some one department (minimum 16 hours). Students who wish to specialize after one year of residence may select any department, with any professor in that department as adviser, and may take therein a major of not less than 24 nor

¹Only credibly attested physical disability, or membership in a religious organization whose creed forbids participation in warfare in any form (on the part of parent in case of a minor), are accepted as excusing from the requirement in military science. Those excused for conscientious scruples are required to do work in Physical Education equivalent in amount. Unless excused or reprieved, each undergraduate man or woman must fulfill this requirement during the freshman and sophomore years, or begin the work immediately upon matriculation. A student excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degree sought. Thoro drill or physical education elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of either subject at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

²A subject from the groups taken in the student's first semester shall be continued in his second semester.

³A student may substitute a second year of classics (Greek or Latin) for any one of B or C.

more than 32 hours;¹ such students retaining the right to choose any elective subject aside from the major. Students in the Teachers College shall meet the major and minor requirements for the University Teachers' Certificate.

Grades—Not more than 20 per cent of the students' work below a grade of 70 per cent is credited on requirements for graduation.

Bachelor of Science Degree—Any student in the College of Arts and Sciences who majors in a scientific department and, of the 125 hours required for graduation, completes not less than sixty hours in mathematics and science may take the degree of Bachelor of Science instead of the degree of Bachelor of Arts. Such student, however, shall complete six of the nine groups (A, B, or C).

Course in Journalism Leading to the A. B. Degree with a Certificate in Journalism

The following course in preparation for journalism, leading to the Degree of Bachelor of Arts with a Certificate in Journalism, was established in 1917:

FIRST YEAR

	First Semester	Second Semester
Military Science.....	1	1
Rhetoric.....	2	2
Foreign Language.....	5	5
Science.....	3	3
History.....	3	3
Political Science.....	3	3
	<hr/>	<hr/>
	17	17

SECOND YEAR

Military Science.....	1	1	
History.....	3	3	
Foreign Language.....	3 or 5	3 or 5	(Continuation of first year language)
Science.....	3	3	
News Writing.....	2	2	
Economics.....	3	3	
Elective.....	2 or 0	2 or 0	
	<hr/>	<hr/>	
	17	17	

¹A student may register in the six-year combined Academic-Law course in his senior year and elect not more than 24 hours in the College of Law. (See the announcement of the College of Law.)

THIRD YEAR

	First Semester	Second Semester
History of English Literature.....	3	3
Editorial and Special Studies.....	2	2
Newspaper Editing.....	2	2
History.....	3	3
Political Science, Economics, Sociology, Philosophy.....	3	3
Elective.....	3	3
	—	—
	16	16

FOURTH YEAR

History of Journalism.....	3	3
Electives.....	10	10
	—	—
	13	13

For description of the professional courses in Journalism see "Courses of Instruction."

Practical Training

In addition to the regular classroom instruction which emphasizes practical training by using, for example, the news of the city as a laboratory, there are open to students varied opportunities for practical experience in writing, editing, and business management: Positions on the staffs of student publications—The Daily Nebraskan; Awgwan, a humorous bi-weekly; Agriculture, issued by the students in the College of Agriculture; The Nebraska Engineering Blue Print; and The Cornhusker, the University Annual; positions on the staffs of Lincoln Newspapers; and service as University correspondent for Nebraska daily and weekly newspapers. Competent students are recommended for positions on newspapers during the summer.

Purpose

This four-year course in preparation for Journalism is intended to indicate those lines of study which students looking forward to professional work in Journalism should pursue—technical instruction and practice in Journalism and supplementary instruction in those subjects essential for the broadly equipped journalist—economics, history, literature, philosophy, political science and sociology.

Selection and Order of Studies

In selecting and ordering their programs of studies in this outlined course, which is largely elective and which permits of specialization, students should confer with the professor in charge of the course.

Graduation

For the degree of Bachelor of Arts, 125 college hours are required. Students who have completed the Course in Journalism will receive the Certificate in Journalism.

Laboratory Equipment

In the Journalism reading room is a collection of journalism reference books and periodicals; current files of representative newspapers of the United States; material illustrative of the history of journalism, including Nebraska journalism, and of printing; and an indexed "morgue" collection of several hundred typical newspaper "stories" and articles. Accessible to journalism students are also the 5,000 bound volumes of newspapers in the library of the Nebraska State Historical Society which receives 500 newspapers; the fifty newspapers and periodicals received at the Nebraska Legislative Reference Bureau; and the numerous periodicals in the University Library.

Special Lectures

Lectures on various aspects of journalism are given annually by well-known newspaper men of Nebraska and of other states. The speakers from outside the state the early part of 1916-1917 were:

Lincoln Steffens, New York—"The Secret Service of Journalism."

Henry J. Allen, editor of The Wichita (Kans.) Beacon—"Journalism and The Universities."

Journalistic Societies

Sigma Delta Chi and Theta Sigma Phi are national journalistic societies for men and women respectively. Membership is by election.

COURSES OF INSTRUCTION

The courses of instruction are grouped together, in later pages of this catalog, under the heading "Courses of Instruction."

The School of Commerce
In the
College of Arts and Sciences

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences.

JAMES EDWARD LE ROSSIGNOL, Ph. D., LL. D., Director of the School of Commerce.

¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher.
(*Secretary of the Faculties.*)

FLORENCE IRWIN McGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*)

LEON EMMONS AYLSWORTH, A. M., Professor of Political Science and Sociology.

NELS AUGUST BENGTSON, A. M., Associate Professor of Geography and Conservation.

PHILO MELVIN BUCK, JR., A. M., Professor of Rhetoric.

THEODORE TUNISON BULLOCK, A. M., Instructor in Economics and Business Law.

HOWARD WALTER CALDWELL, A. M., Professor of American History.
(*Head of Department of American History.*)

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)

DANA FINLEY COLE, A. M., Instructor in Marketing.

CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)

CARL CHRISTIAN ENGBERG, Ph. D., Professor of Applied Mathematics and Executive Dean.

MINNIE THROOP ENGLAND, Ph. D., Assistant Professor of Economics.

FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)

MILLER MOORE FOGG, A. M., Professor of Rhetoric.

CHARLES FORDYCE, Ph. D., Professor of Educational Theory and Practice and Dean of the Teachers College. (*Head of Department of Educational Theory and Practice.*)

LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)

¹Absent on leave.

- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- JAMES EDWARD LE ROSSIGNOL, Ph. D., LL. D., Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*)
- OSCAR ROSS MARTIN, A. M., Associate Professor of Accounting and Business Administration.
- EDWIN MAXEY, Ph. M., D. C. L., Professor of Public Law and Diplomacy.
- CLARK EDMUND PERSINGER, A. M., Professor of American History.
- ALBERT ALISON REED, A. M., Inspector of Accredited Schools and Professor of Secondary Education. (*Head of Department of Secondary Education.*)
- LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Professor of English Language and Literature and Dean of the Graduate College. (*Head of Department of English Language and Literature.*)
- GEORGE ASBURY STEPHENS, Ph. D., Associate Professor of Economics and Commerce.
- GEORGE OLIEN VIRTUE, Ph. D., Professor of Economics and Commerce.
- HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)

ORGANIZATION AND PURPOSE

The School of Commerce was created by action of the Board of Regents in May, 1913, as a part of the College of Arts and Sciences for the purpose of providing for students preparing for business or allied lines of work, vocational training suited to their needs. Business is now, in its higher forms, as much a learned profession as theology, law, medicine, engineering, agriculture and other difficult and complicated arts, and demands of those who would rise from the ranks a thoro, scientific and practical training. Practical training is obtained chiefly in actual business experience, but theoretical and scientific education, with the broad view and large grasp so essential to the highest success, can best be obtained in the University.

Many occupations are open to those who have had such preparation. There is a large and increasing demand for highly efficient men and women in accounting, banking, insurance, journalism, transportation, manufacturing, domestic and foreign commerce; for experts in the Public Service, especially with the Federal Trade Commission, the Department of Labor, and the Consular Service; and for teachers of economics and commerce in high schools and colleges. In fact, it is hard to mention any field of business activity in which the demand for efficient service does not far exceed the supply. It is a question of the supply of officers for the industrial army, and those who aspire to places of trust must first go thru a long and arduous course of training.

ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES

Credentials which are accepted towards admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least one month before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below, under "Admission by Certificate," and in the subjects for the amount indicated below, under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of eight hours¹ and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French, and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point* is essential:

Required Subjects	Points
English.....	4
History (European) (a).....	2
Language (foreign) (b).....	6 to 4 } 10
Mathematics (algebra and geometry) (b).....	4 to 6 }
Science (laboratory).....	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school.....	12
Total.....	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with minimum of four points in either.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other Universities or Colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done*; (3) *an official certified statement of*

the record of secondary school work showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing: (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration week, each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A like fee of \$3 is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester, a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extension of time may be granted by instructors to students for removing a "condition" or "incomplete."

Fees.¹ The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons

¹The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately. Misapprehension as to the amounts charged for fees is thereby avoided.

and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The following fees are required of students in the College of Arts and Sciences:

Matriculation (payable on entering each college).....	\$5.00
Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one College to another.	
Incidental, each semester.....	3.00
¹ Library, each semester.....	1.00
Diploma, undergraduate, on graduation.....	5.00
Diploma, undergraduate, in absentia.....	15.00
Special:	
Re-registration (including change in registration).....	3.00
Late registration (after registration days).....	3.00
Examination, each subject.....	1.00

Laboratory Fees. In addition to the foregoing general or miscellaneous fees, each student is required to pay the laboratory fee for each subject in which he is registered for laboratory work. These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned to pay the amount of such waste or damage at the Secretary's office, and to present his receipt therefor to the Department before his semestral credit is reported to the Registrar.

REQUIREMENTS FOR GRADUATION

University Credits (125 hours). For the degree of Bachelor of Arts 125 University credit hours are required. Students who have completed the prescribed 4 year course in Commerce will receive the degree of Bachelor of Arts and the Certificate of the School of Commerce.

ORDER OF COURSES²

For the present only one program of courses has been prepared, and it is expected that all students registering in the School of Commerce will conform strictly to the prescribed order, unless they have obtained special dispensation from the Director because of conflicts in courses or for other

¹No student paying a laboratory fee is required to pay this fee for the same semester.

²A total of 125 hours are required for graduation from this course.

sufficient reasons. It should be noted, however, that a considerable amount of election is permitted after the freshman year, for the benefit of students wishing to specialize in certain lines of work. For example, students desiring to specialize in accountancy may take a number of advanced courses in that subject. Students preparing for banking, insurance, consular service, journalism and foreign trade will find other elective courses specially suited to their needs.

GENERAL COURSE IN COMMERCE

First Year

First Semester		Second Semester	
	Hours		Hours
Rhetoric 1.....	2	Rhetoric 2.....	2
Military Science (Men) or Phys- ical Education (Women).....	1	Military Science (Men) or Phys- ical Education (Women).....	1
Foreign Language.....	5	Foreign Language.....	5
Mathematics or Science ¹	3	Mathematics or Science ¹	3
Principles of Accounting (Econ. 5).....	3	Principles of Accounting (Econ. 5a).....	3
Commercial Geography (Econ. 3) or Industrial Geography (Geog. 5).....	2	Commercial Geography (Econ. 4) or Agricultural Industries (Geog. 6).....	2
	<u>16</u>		<u>16</u>

Second Year

English Literature or Rhetoric... 3	English Literature or Rhetoric... 3
Military Science (Men) or Phys- ical Education (Women)..... 1	Military Science (Men) or Phys- ical Education (Women)..... 1
Mathematics or Science..... 3	Mathematics or Science..... 3
History..... 3	History..... 3
Principles of Economics (Econ. 1)..... 3	Principles of Economics (Econ. 1a)..... 3
Marketing ² (Econ. 27)..... 2	Advertising ² (Econ. 27a)..... 2
One of the following:	One of the following:
Economic History of the United States (Econ. 9)..... 2	Economic History of the United States (Econ. 10)..... 2
Foreign language..... 3-5	Cost Accounting (Econ. 5b)... 2
Psychology ³ 3	Foreign Language..... 3-5
	Psychology ³ 3
	<u>17-18</u>
	<u>17-18</u>

¹Students in the School of Commerce are advised to take Mathematics in the first year.

²Students taking five hours of Foreign Language in the second year may take Marketing and Advertising in the third year.

³Required of Candidates for the University Teachers' Certificate.

Third Year

First Semester	Second semester
Hours	Hours
Political Science 1..... 3	Political Science 2..... 3
Business Law (Econ. 13)..... 3	Business Law (Econ. 14)..... 3
Money and Banking (Econ. 2)... 3	Business Organization (Econ. 28). 3
One or more of the following:	One or more of the following:
Advanced Accounting (Econ. 5c)..... 3	Advanced Accounting (Econ. 5d)..... 3
Fire Insurance (Econ. 6)..... 3	Practical Banking (Econ. 2a).. 2
Stock Exchanges (Econ. 21)... 2	Economic Crises (Econ. 19)... 3
Mathematics 41 (Statistics)... 3	Life Insurance (Econ. 6a)..... 3
Electives..... 0-6	Mathematics 42 (Insurance)... 3
16-17	Electives..... 0-6
	16-17

Fourth Year

Labor Problems (Econ. 35)..... 3	Methods of Industrial Peace (Econ. 36) or Investments..... 3
Corporation Finance (Econ. 25) or Public Finance (Econ. 31)..... 2-3	Railway Economics (Econ. 24)... 3
One or more of the following:	One or more of the following:
Advanced Economics (Econ. 15)2	Advanced Economics (Econ. 16)2
Socialism (Econ. 37)..... 3	Trusts (Econ. 36)..... 3
Statistics (Econ. 34)..... 3	Economic Seminar (Econ. 46) 1-3
Economic Seminar (Econ. 45) 1-3	International Law 2..... 3
International Law 1..... 3	Philosophy..... 3
Philosophy..... 3	
Auditing (Econ. 5e)..... 2	
Electives..... 0-10	Electives..... 0-10
16-17	16-17


COURSES FOR PROFESSIONAL ECONOMISTS

Students wishing to become teachers of Economics and Commerce in colleges and universities, or preparing for the Public Service, should consult with the Director and other members of the Faculty as to the best preparation for such work. In general, it may be said that professional economists require as a basis for their more special studies a considerable knowledge of English, Mathematics, European and American History, Foreign Languages, Physical Science, Political Science, Sociology, Philosophy and Law. In order to obtain this broad foundation students should take not more than a Major (24-32 hours) in Economics during their

college course and should postpone some of their economic studies until their graduate years. A student cannot thoroly prepare himself for this work without a full college course of four years and a graduate course of three years leading to the Doctor's degree.

COURSES FOR HIGH SCHOOL TEACHERS

Students preparing to teach Economics and Commerce in High Schools may take a Minor (12-16 hours) or a Major (24-32 hours) in the School of Commerce. The courses recommended for a Minor are:

Principles of Economics.....	6 hours
Commercial Geography or Industrial Geography.....	4 hours
 Principles of Accounting.....	6 hours

16 hours

Students taking a Major are advised to take in addition to the above:

Economic History.....	4 hours
Advanced Economics.....	4 hours
Business Law.....	6 hours
Marketing.....	2 hours

16 hours

To students wishing to take additional courses, the following are recommended as being especially useful to teachers:

Money and Banking.....	3 hours
Business Organization.....	3 hours
Corporation Finance.....	2 hours
Investments.....	2 hours
Trusts.....	2 hours
Public Finance.....	3 hours
Railway Economics.....	3 hours
Labor Problems.....	3 hours
Advertising.....	2 hours

SHORTHAND AND TYPEWRITING

As teachers of Commerce usually need a knowledge of Shorthand and Typewriting, students should, if possible, acquire the elements of these subjects before entering the School of Commerce. For the benefit of those who have not had this preparatory training courses in Shorthand and Typewriting are given in the Teachers College Training School. These courses are open to students registered in the School of Commerce and they may receive credit for the work on the scale of three hours of college credit for five hours of Training School credit. This is a temporary arrangement pending a readjustment of entrance requirements.

REQUIREMENTS FOR TEACHERS' CERTIFICATES

The University Teachers' Certificate. Students in the School of Commerce may register in the Teachers College in their junior and senior years and secure the Teachers College Diploma and University Teachers' Certificate, a First Grade State Certificate, by meeting the requirements of this college, presenting courses in the School of Commerce for a Minor (12 to 16 hours) or a Major (24 to 32 hours) as teachers of Commerce. Intending teachers should at the time of registration confer with the Dean of the Teachers College, that the courses may be properly arranged for the University Teachers' Certificate or for the particular certificate sought.

City State Certificate. Those graduates of the University qualifying for either the University Teachers' Certificate or the first grade County Certificate will receive the City State Certificate entitling them to teach in the public schools of Nebraska in accordance with section 5, subdivision 9a, School Laws 1911.

First Grade County Certificate. The county superintendent may, at his discretion, grant a first grade county certificate to graduates of colleges, universities and normal schools, under rules prescribed by the State Superintendent of public instruction. A year of successful experience or the presentation of credit for twelve hours of education has been prescribed as a requirement for the issuance of a certificate under this provision. Students should consult the Dean of the Teachers College early in their course in order that their work may be so planned as to make them as valuable as possible in the school room, and that they may have advice as to means of securing a certificate if the emergency of teaching before graduation should arise.

ACCOUNTANCY

The courses in accountancy have been designed to meet the needs of three classes of students: those who wish to become business executives, those who wish to become professional accountants, and those who wish to become teachers of commercial subjects. The university is especially fitted to give the broad training essential to those entering the field of public accountancy, and the work has been so arranged as to meet all the requirements, aside from the required practical experience, of the examinations for the degree of Certified Public Accountant in the State of Nebraska and in other states. Students who expect to follow this line of work should consult the Director upon entering the university.

CIVIL SERVICE

Attention is given to the mapping out of courses best suited to those preparing for government positions with the Federal Trade Commission, the Department of Labor, the Customs Service, the Internal-Revenue

Service, the Immigration Service, the Sub-treasury Service, and the like. Dates of examination, sample questions, and general information will be given upon application to the Director.

CONSULAR SERVICE AND FOREIGN TRADE

Students preparing for work of this character should give special attention to geography, international law and modern languages, especially German, French and Spanish. There are many openings for young men in Mexico and South America where a knowledge of Spanish is essential, while Portuguese is useful in Brazil and elsewhere.

INSURANCE

The School of Commerce provides courses in Insurance running thru the year, and a course in the mathematical principles of Insurance given in the Department of Mathematics. Inasmuch as insurance men require a very broad training, they should arrange their course with that end in view.

JOURNALISM

In the College of Arts and Sciences is a four year curriculum leading to the degree of Bachelor of Arts with a Certificate in Journalism. To this course students looking toward journalistic work are referred.

THE UNIVERSITY COMMERCIAL CLUB

The University Commercial Club is an organization of students which seeks to occupy a place in the University similar in many respects to that of commercial clubs in their respective localities. Meetings are held once a week. All students registered in the School of Commerce are eligible to membership.

THE UNIVERSITY BUSINESS WOMAN'S CLUB

The Business Woman's Club is open to women taking commercial or economic courses and thru associate membership to all women preparing for work outside of the home. The object of the club is chiefly to furnish information thru lectures and papers as to openings for women in all lines of work. Meetings are held every two weeks.

ALPHA KAPPA PSI

Alpha Kappa Psi is a national society organized to foster scientific research in the fields of Commerce, Accounts and Finance.

SPECIAL LECTURES

In connection with many of the courses and with the meetings of the University Commercial Club, business men of Lincoln, Omaha and other parts of the state have been invited to give special lectures on the more practical side of the work, such as practical banking, insurance, advertising, salesmanship, special problems in private and public accounting. In this way the more theoretical work of the classroom is brought into close relation with the more practical aspects of business life.

SPECIAL LECTURES 1915-1916

J. A. Avery, Advertising Manager, Hardy Furniture Company—"Wasted Money in Advertising."

Gertrude Beers, Instructor, Nebraska School of Business—"Opportunities for Commercial Teachers."

Laura Brown, Doctor of Medicine, Lincoln—"Fitting One's Self for Work."

P. R. Easterday, Cashier, First National Bank, Lincoln—"Some Aspects of the New Banking Act."

O. J. Fee, Manager, Evans Laundry—"The Activities of Commercial Clubs."

W. G. Hastings, Dean of the College of Law, University of Nebraska—"Judgments."

Thomas L. Hall, Member of the Nebraska Railway Commission—"Public Necessity and Convenience Law."

P. L. Hall, President, Central National Bank—"Efficiency"

W. E. Hardy, Hardy Furniture Company—"Business Methods."

J. H. Harley, Secretary, Bankers' Life Insurance Company, Lincoln—"Deferred Dividend Policies."

L. S. Herron, Editor, The Nebraska Farmer—"The Single Tax."

Lulu A. Horne, Librarian, City Library—"Public Library Work."

Sarka B. Hrbkova, Assistant Professor of Slavonic Languages, University of Nebraska—"Qualities that Make for Success in Business."

Franklin Mann, General Agent, Northwestern Mutual Life Insurance Company, Omaha—"Sufficiency of Reserves and Apportionment of Surplus."

S. R. McKelvie, Publisher, Nebraska Farmer—"Community Interests."

L. K. Murray, President, Lincoln Pure Butter Company—"Common Sense in Advertising."

M. L. Palmer, General Agent, Aetna Life Insurance Company, Lincoln—"Salesmanship in Life Insurance."

Olivia Pound, Supervisor, Girls' Vocational Guidance Department, Lincoln City Schools—"Vocational Work for Girls in Lincoln."

C. A. Robbins, Professor of Law, College of Law, University of Nebraska—"The Business Man and the Law."

W. B. Ryons, Assistant Cashier, First National Bank—"Credit."

E. E. Smith, Advertising Manager, Speier & Simon; President, Lincoln Ad. Club—"The Psychology of Advertising." "Advertising."

M. Weil, President, National Bank of Commerce—"Success in Business."
"Banking Practice."

H. S. Wiggins, The Wiggins-Babcock Accounting Company, Lincoln—"Rate-making and Reserves."

Hattie Plum Williams, Assistant Professor of Sociology, University of Nebraska—"Vocational Work."

N. E. Williams, Sales Manager, Cushman Motor Works—"Success Qualities in Salesmanship."

The School of Fine Arts
In the
College of Arts and Sciences

OFFICERS OF ADMINISTRATION AND INSTRUCTION

- SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
- ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences.
- PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts.
- ¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher.
(*Secretary of the Faculties.*)
- FLORENCE IRWIN MCGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary to the Faculties.*)
-
- HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy, in charge of Aesthetics.
- GROVE ETTINGER BARBER, A. M., Professor of Roman History and Literature. (*Head of Department of Roman History and Literature.*)
- HENRIETTA MCELROY BROCK, Instructor in China Painting.
- RAYMOND GUSTAVUS CLAPP, Ph. B., M. D., Professor of Physical Education and Director of Men's Gymnasium. (*Head of Department of Physical Education.*)
- CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)
- WILLIAM FRANCIS DANN, A. M., Professor of the History and Criticism of Fine Arts. (*Head of Department of the History and Criticism of Fine Arts.*)
- FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)
- CHARLES FORDYCE, Ph. D., Dean of the Teachers' College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)
- ¹PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)
- INA ESTELLE GITTINGS, A. B., Associate Professor of Physical Education and Director of Women's Gymnasium.
- BLANCHE CHLOE GRANT, A. B., Associate Professor of Drawing and Painting.
- PAUL HENRY GRUMMANN, A. M., Professor of Modern German Literature.

¹ Absent on leave.

- AMANDA HENRIETTA HEPPNER, A. M., Assistant Professor of Germanic Languages and Literatures.
- HARRIET ALICE HOWELL, A.M., Associate Professor of Elocution and Dramatic Art.
- WINIFRED FLORENCE HYDE, Ph. D., Assistant Professor of Philosophy.
- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)
- ALICE MARIE LOOMIS, Professor of Home Economics. (*Head of Department of Home Economics.*)
- LOUISE EASTERDAY MUNDY, Instructor in Drawing and Painting.
- SAMUEL MINTER PARKER, Captain of Infantry, U. S. Army, Professor of Military Science and Tactics and Commandant of Cadets. (*Head of Department of Military Science and Tactics.*)
- LOUISE POUND, Ph. D., Professor of the English Language.
- JESSE EPHRAIM RASMUSEN, B. Sc., M. E., Assistant Professor of Applied Mechanics and Machine Design.
- CARRIE BELLE RAYMOND, Director of Music.
- ALBERT ALISON REED, A. M., Inspector of Accredited Schools and Professor of Secondary Education, Acting Director of University Extension. (*Head of Department of Secondary Education.*)
- ROBERT DOUGLAS SCOTT, A. M., Associate Professor of Modern English Drama.
- LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College and Professor of English Language and Literature. (*Head of Department of English Language and Literature.*)
- JACOB SINGER, A. M., Assistant Professor of the Theory and History of Music.
- ROBERT HENRY WOLCOTT, A.M., M. D., Professor of Zoology. (*Head of Department of Zoology.*)
- ELLA CETONIA WITTIE, Instructor of Public School Drawing.

Committees of the Faculty

- Collections and Exhibits—Grant, Alexander, Brock, Dann, Mundy.
- Advanced Standing—The Chancellor, Director, Inspector of High Schools.
- Musical Organizations and Musical Functions—Raymond, Dann, Hyde, Jones.
- Musical Courses and Accreditation—Singer, Dann, Davis, Hyde, Raymond.
- Courses of Study—Dann, Grant, Howell, Raymond, Singer.
- Nominations—Barber, Dann, Grant, Howell, Raymond, Singer.

Accredited Teachers of Applied Music

Marcel Roger de Bouzon	Voice
Mrs. Sara Cosgrove	Voice
Mrs. Mabel Driggs	Voice
Lillian Eiche	Violoncello
J. Frank Frysinger	Organ and Piano
Mrs. Will Owen Jones	Piano
Howard Kirkpatrick	Voice
Konrad Kriedemann	Piano
Louise LeBaron	Voice
Gustav C. Menzendorf	Violin
Charles F. H. Mills	Voice
August Molzer	Violin
Mrs. Lillian Helms Polley	Voice
Jean L. Schaefer	Violin
Sidney Silber	Piano
Mrs. Jacob Singer	Piano
Mrs. Lura Schuler Smith	Piano
Carl Steckelberg	Violin
Laure de Vilmar	Voice
Walter Wheatley	Voice
Louise Zumwinkel	Piano

ORGANIZATION

By the action of the Regents of the University of Nebraska, the School of Fine Arts was reorganized in July, 1912, as a part of the College of Arts and Sciences. The school includes the work offered in Aesthetics; Drawing and Painting; Elocution and Dramatic Art; the History and Criticism of the Fine Arts; Architecture; and Music.

The School of Fine Arts offers three special courses leading to the B. F. A. degree in the College of Arts and Sciences; in the first, Drawing and Painting form the nucleus; in the second, Dramatic Art; in the third, Music. The purpose of these courses is primarily cultural, but they offer an excellent basis for advanced work in artistic technique.

ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points; for conditional admission a minimum of 28 entrance points, from one of the approved sources given below, under "Admission by Certificate," and in the subjects for the amount indicated below, under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours¹ and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course, the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examina-

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

tions are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

All students who wish to register for courses in Applied Music must present themselves for entrance examination in this field.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point is essential*:

Required Subjects	Points
English.....	4
History (European) (a).....	2
Language (foreign) (b).....	6 to 4
Mathematics (algebra and geometry) (b).....	4 to 6
Science (laboratory).....	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school.....	12
Total.....	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with a minimum of four points in either.

Entrance Requirements in Applied Music

a. Pianoforte: Czerny's School of Velocity and the easier Haydn and Mozart Sonatas.

b. Violin: The first ten of Kreutzer's Forty Etudes, and the easier Handel and Mozart Sonatas.

c. Violoncello, Organ and Orchestral Instruments: Entrance examinations equal to the above grade.

d. Voice:—Ability to sing intervals of major and minor scale. Ability to play simple accompaniments on the piano at sight or an equivalent accomplishment on some other instrument. Where natural endowment both in range and quality of voice warrants, instrumental requirement may be waived.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time in attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for

admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

Special Students. Altho it is the main purpose of the school to encourage students of college grade to take up work in the fine arts, it is recognized that an opportunity should be offered for children of unusual talent, who are unable to satisfy the entrance requirements. Since these do not come under the regular category of University students, special fees ranging from \$10 to \$25 per semester will be charged.

REGISTRATION

Registration occurs during the first four days of each semester and each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration is filed in the office of the Registrar. A like fee of \$3 is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Advisor approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third and fourth year student may not register for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. Students registered for Applied Music must receive a minimum of twelve hours credit to make their credits in music valid. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a

"condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

Subjects meeting group requirements in the Arts and Science College must be carried the entire year in order to receive credit for the first semester's work.

REGULAR UNIVERSITY FEES¹

Matriculation fee, (payable on entering each College).....	\$5.00
Being statutory this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.	
Incidental fee, each semester.....	3.00
Library fee, each semester.....	1.00
Special registration.....	3.00
Examination.....	1.00
Diploma, undergraduate (on graduation).....	5.00
Diploma, undergraduate in absentia.....	15.00
Fine Arts—Courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24.....	2.00
Zoology 17.....	2.00
Zoology 18.....	5.00

DRAWING AND PAINTING

For special students not regularly matriculated in the University
Drawing and Painting, including use of studio:

One lesson a week, each semester.....	\$10.00
Students under 16 years, one lesson a week.....	6.00
Two lessons a week, each semester.....	18.00
Three lessons a week, with use of studio daily, each semester....	25.00
China Painting, including use of studio:	
One lesson a week, each semester.....	12.00
Two lessons a week, each semester.....	23.00
Three lessons a week, each semester.....	33.00

¹The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately. Misapprehension as to the amounts charged for fees is thereby avoided.

MUSIC

Theory and History of Music, tuition, each semester.....	10.00
Applied Music, Registration, each semester.....	5.00

The University does not concern itself with the tuition fees for Applied Music. Students must make financial arrangements with accredited teachers directly.

LOCATION AND EQUIPMENT

The School of Fine Arts occupies the third floor of the University Library Building. Here the fine arts collections of the University are housed in accordance with approved methods. Card catalogs of original paintings owned in Nebraska are also provided and are accessible to the public. An excellent collection of plaster casts and still life objects is on exhibition in the corridors and the gallery. The Fine Arts Gallery is a well lighted and spacious room. It contains reproductions of the masterpieces, and the pictures of the Nebraska Art Association and the University, including the following paintings:

Edward H. Barnard—*The Landmark*, John F. Carlson—*Winter Dream-days*, Lucy Conant—*The Marshes*, Andre Dauchez—*The Reefs*, Chas. W. Eaton—*Canal at Bruges*, Herbert Faulkner—*Venice*, Birge Harrison—*Harvard Bridge*, Sara S. Hayden—*The Girl in Green*—*Portrait of A. H. Edgren*—*Portrait of Ellen Smith*, Sara W. More—*Portrait of Charles H. Gere*, Elizabeth Nourse—*Little Peasant of Brittany*, Leonard Ochtman—*Evening on the Mianus Bridge*, Cora Parker—*A Brittany Kitchen*—*The Prune Orchard*, Edgar Payne—*The Hills of El-Toro*, Edward H. Potthast—*The Waning Day*, Robert Reid—*The Golden Screen*, George Gardner Symons—*Vibrant Notes of Autumn*.

GIFTS TO THE ART GALLERY

The regents of the University of Nebraska are heartily in favor of developing an adequate gallery of fine arts. Such a gallery open daily to the public would be a constant influence for good. It would powerfully stimulate all of the industries and crafts and refine our life generally. The regents will support this interest as vigorously as the resources of the University will permit. Since these resources are limited, the regents invite the co-operation and support of public-spirited associations and individuals. In addition to original works of art, copies of the masterpieces and collections of art objects are needed in order to give the students and the public some knowledge of the whole range of art activity.

EXHIBITIONS

The Annual Exhibition of the Nebraska Art Association is held in the Fine Arts Gallery of the University. This is the only exhibition involving an admission fee, and the proceeds are devoted to the purchase of original

paintings to be added to the collection of the association. Students are admitted at one-half the usual rates. At all other times special exhibits are on display and are accessible to the public free of charge. In addition to the collections of the University, loan exhibits are procured whenever they are available.

SPECIAL LECTURES

Special lectures by experts are provided from time to time and are free to students and the public.

SPECIAL SUMMER CLASS

If fifteen applications are made before the first of June, a special class in Drawing and Painting will be organized in Colorado during the Summer Session. The fee for this class will be twenty dollars.

UNIVERSITY CHORUS

The University Chorus, open to all students, gives several cantatas and oratorios each year and participates in the May Musical Festival. The Cadet Band, a military band, gives several home concerts annually and furnishes music on occasions of general University interest.

COURSES IN APPLIED MUSIC AND ACCREDITMENT

The University has no regular staff of teachers of Applied Music. Upon nomination of the Committee on Music and Accreditation, the Regents appoint accredited teachers of Applied Music from year to year. Students who pursue their work under such instructors receive their musical credits under the same regulations that govern other departments of the University. Students who wish to study Applied Music under instructors, not on the accredited list, must present themselves for examination before credit is allowed.

RECITALS AND DRAMATIC PERFORMANCES

Advanced students in Elocution and Dramatic Art present University plays at the Temple Theater once a month during the University year. For the current year the following plays have been scheduled: King Rene's Daughter, Ready Money, The Girl with the Green Eyes, The Man of the Hour, Ingomar, Macbeth, Twelfth Night, Antigone.

Dramatic performances and recitals by advanced students of elocution and dramatic art, will be scheduled in the state, provided they do not interfere with the regular work. Applications may be sent to the Director.

SPECIAL COURSES

Students of talent in Drawing, Dramatics, or Music are given an opportunity to qualify in these fields, either as general students in the College of Arts and Sciences or as students of the School of Fine Arts. Students enrolling in the College of Arts and Sciences are restricted to twenty-four hours credit in Drawing and Painting, to eighteen hours of Elocution and Dramatic Art, and to eight hours of Applied Music. Those who enroll in the School of Fine Arts have an opportunity to devote approximately one-half of their time to their special subject and receive the degree, Bachelor of Fine Arts. All groups of students who intend to teach are advised to enroll for the following courses in Education required for certificates:

	Hours
Teachers' Course in Fine Arts.....	3
History of Modern Education.....	3
Principle of Teaching.....	3
Practice teaching in the Fine Arts.....	3

Bachelor of Arts with Major in Fine Arts

Students of the College of Arts and Sciences, who wish to study art primarily for its cultural value, may select one of the fine arts as a major subject. They are required to fulfill all the requirements of the College and must select the Director of the School of Fine Arts as their adviser. They are required to complete forty hours of work in their special field, distributed as follows:

- (a) Drawing and Painting, 24 hours. Aesthetics and Art Interpretation, 16 hours.
- (b) Elocution and Dramatic Art, 18 hours. English and Foreign Drama, 22 hours.
- (c) Applied Music, 8 hours. Theory and History of Music, 16 hours.

Courses Leading to the Degree Bachelor of Fine Arts

Special prescribed courses are offered for students who wish to specialize more intensively than is possible in the courses leading to the Bachelor of Arts degree. These courses are planned for those who wish to qualify as public or private teachers of the Fine Arts (Painting, Dramatics, Music) or wish to prepare for technical work. About one-half of the time of the student is devoted to art in these special courses for which the degree Bachelor of Fine Arts (B. F. A.) is offered. The same entrance requirements obtain as in the College of Arts and Sciences generally, except that students of Music must pass the additional entrance examinations in this field. Only students who show special aptitude in art are encouraged to enroll in these courses. The freshman year is regarded probationary, and no students will be registered in the sophomore year who fail to give evidence of sufficient ability to carry the course successfully.

BACHELOR OF FINE ARTS IN DRAMATICS

FIRST YEAR	First Semester	Second Semester
Elocution and Phonetics 51a, 51b, 52a, 52b	3	3
Dramatics	1	1
Rhetoric 1, 2	2	2
Shakespeare (Eng. Lit. 25)	3	3
Foreign Language (French or German)	5	5
Drawing and Painting	1	1
Physical Education (Women) or Military Science (Men)	1	1
	—	—
	16	16
SECOND YEAR		
Elocution	2	2
Dramatics	2	2
History of English Literature (Eng. Lit. 5, 6)	3	3
Foreign Language (French or German)	5	5
Drawing and Painting	1	1
Electives	2	2
Physical Education (Women) or Military Science (Men)	1	1
	—	—
	16	16
THIRD YEAR		
Dramatics	5	5
French or German	3	3
English Literature 23, 25, 33 or Play Construction		
39, 40 (Eng. Lit.)	2	2
History of the Theatre (Fine Arts 61)	2	2
Electives	4	4
	—	—
	16	16
FOURTH YEAR		
Dramatics	5	5
French or German Drama	3	3
Aesthetics (Phil. 41)	2	2
Electives	6	6
	—	—
	16	16

Requirements for teachers' certificates to be met by electives.

BACHELOR OF FINE ARTS IN DRAWING AND PAINTING

	FIRST YEAR	
	First Semester	Second Semester
Free-hand Drawing.....	5	5
Rhetoric 1, 2.....	2	2
Foreign Language ¹	5	5
History of Classical Art 33, 34.....	2	2
Physical Education (Women) or Military Science (Men)	1	1
	—	—
	15	15
SECOND YEAR		
Free-hand Drawing.....	5	5
Perspective (A. M. 31).....	2	2
Foreign Language ¹	5	5
History of Italian Art 35, 36.....	3	3
Physical Education (Women) or Military Science (Men)	1	1
	—	—
	16	16
THIRD YEAR		
Drawing and Painting.....	6	6
Design.....	2	2
Aesthetics (Philos. 41).....	2	2
Zoology 17, 18.....	3	3
Electives.....	3	3
	—	—
	16	16
FOURTH YEAR		
Drawing and Painting.....	6	6
Design.....	2	2
Aesthetics (Philos. 43).....	3	3
Electives.....	5	5
	—	—
	16	16

Requirements for teachers' certificates to be met by electives.

¹History or Literature may be substituted for Foreign Language on consultation with the director.

BACHELOR OF FINE ARTS IN MUSIC

	FIRST YEAR	First Semester	Second Semester
Instrumental or Vocal.....		5	5
Harmony and Theory 71-72.....		2	2
Rhetoric 1, 2.....		2	2
Foreign Language.....		5	5
Chorus, Glee Club or Orchestra.....		1	1
Physical Education (Women) or Military Science (Men)		1	1
		—	—
		16	16
SECOND YEAR			
Instrumental or Vocal.....		5	5
Harmony and Theory 73-74.....		2	2
Foreign Language.....		5	5
Physical Education (Women) or Military Science (Men)		1	1
Electives.....		3	3
		—	—
		16	16
THIRD YEAR ¹			
Instrumental or Vocal ²		5	5
Theory and History of Music 75-76.....		2	2
Foreign Language (French, German, Italian).....		3	3
Electives.....		6	6
		—	—
		16	16
FOURTH YEAR			
Instrumental or Vocal ²		5	5
History of Music 79-80.....		2	2
Foreign Language (French, German, Italian).....		3	3
Electives.....		6	6
		—	—
		16	16

¹All students who register for the third year of this course must have the approval of the Committee on Music.

²One hour of this may go to Chorus, Glee Club or Orchestra. Requirements for teachers' certificates to be met by electives.

The College of Engineering

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

OSCAR VAN PELT STOUT, C. E., Dean of the College of Engineering and Professor of Civil Engineering. (*Head of Department of Civil Engineering.*)

¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher. (*Secretary of the Faculties.*)

FLORENCE IRWIN MCGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*)

ELLERY WILLIAMS DAVIS, Ph. D., Professor of Mathematics and Dean of the College of Arts and Sciences. (*Head of Department of Mathematics.*)

GEORGE RICHARD CHATBURN, A. M., C. E., Professor of Applied Mechanics and Machine Design. (*Head of Department of Applied Mechanics and Machine Design.*)

JAMES DAVID HOFFMAN, M. E., Professor of Mechanical Engineering and Practical Mechanics. (*Head of Department of Mechanical Engineering.*)

LEON WILSON CHASE, M. E., A. E., Professor of Agricultural Engineering. (*Head of Department of Agricultural Engineering.*)

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)

JAMES EDWARD LE ROSSIGNOL, Ph. D., Professor of Economics and Commerce and Director of the School of Commerce. (*Head of Department of Economics and Commerce.*)

JOHN EDWIN ALMY, Ph. D., Professor of Experimental Physics.

CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean and Professor of Applied Mathematics.

OLIN JEROME FERGUSON, M. E. E., Professor of Electrical Engineering. (*Head of Department of Electrical Engineering.*)

PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)

BENTON DALES, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)

SAMUEL MINTER PARKER, Captain of Infantry, U. S. Army, Professor of Military Science and Tactics and Commandant of Cadets. (*Head of Department of Military Science and Tactics.*)

¹Absent on leave.

- WILLIAM FRANCIS DANN, A. M., Professor of History and Criticism of the Fine Arts. (*Head of Department of History and Criticism of the Fine Arts.*)
- GEORGE OLIN VIRTUE, Ph. D., Professor of Economics and Commerce.
- WILLIAM CHARLES BRENKE, Ph. D., Professor of Mathematics.
- CLARK EDMUND PERSINGER, A. M., Professor of American History.
- PHILIP K. SLAYMAKER, M. E., Professor of Machine Design.
- LOUIS BRYANT TUCKERMAN, JR., A. B., Professor of Theoretical Physics.
- CHARLES LYMAN DEAN, B. Sc. in M. E., Associate Professor of Mechanical Engineering.
- JUDD NOBLE BRIDGMAN, M. S., Associate Professor of Civil Engineering.
- NELS AUGUST BENGTSON, A. M., Associate Professor of Geography and Conservation.
- JESSE EPHRAIM RASMUSEN, B. Sc. in M. E., Associate Professor of Engineering Drawing.
- GEORGE BORROWMAN, Ph. D., Associate Professor of Chemistry.
- BENJAMIN GEORGE ELLIOTT, M. E., Associate Professor of Mechanical Engineering.
- VERNON LEO HOLLISTER, E. E. Associate Professor of Electrical Engineering.
- LAWRENCE FROYD SEATON, B. Sc. in M. E., Associate Professor of Agricultural Engineering.
- ELMER EUGENE BRACKETT, B. Sc. in E. E., Associate Professor of Agricultural Engineering.
- WILLIAM GRANT, B. Sc. in C. E., Associate Professor of Civil Engineering in charge of Water Supply and Sanitary Engineering.
- ADOLPH STORM RIDDERVOLD, Assistant Professor of Civil Engineering.
- ALBERT EGGLETON BUNTING, Assistant Professor of Practical Mechanics.
- CLARK EDWIN MICKEY, B. Sc. in M. E., B. Sc. in C. E., Assistant Professor of Applied Mechanics.
- ALVA ALDUS BAER, A. B., Assistant Professor of Agricultural Engineering.
- FREDERICK CARL HOLTZ B. Sc. in E. E., Instructor in Electrical Engineering.
- OSCAR WARNER SJOGREN, B. Sc. in A. E., Instructor in Agricultural Engineering.

- WILLIAM J. RUNNALLS, Instructing Mechanic in Agricultural Engineering. (*Forge.*)
- WARREN ICHLER, Instructing Mechanic in Mechanical Engineering. (*Machine Shop.*)
- THOMAS HOLT SMITH, Instructing Mechanic in Mechanical Engineering. (*Foundry and Forge.*)

Standing Committees of the College of Engineering

Course of Study—Professors Chatburn, Ferguson, Hoffman, Chase, Engberg and the Dean.

Schedule of Classes—Professors Engberg, Hollister, Dean, Elliott, Rasmussen, Riddervold, Slaymaker, Bridgman, Tuckerman, Brenke, Mickey, Bunting, the Registrar.

Advanced Standing—The Chancellor, the Dean, and Inspector of High Schools.

ORGANIZATION OF THE COLLEGE OF ENGINEERING

By an act of the Legislature of 1909, the Industrial College of the University was abolished and the engineering departments, formerly included in that college, were organized into a College of Engineering. It is the purpose of this college to give a broad, thoro training in mathematics and the physical sciences, with the application of these subjects to the fundamental and special branches of engineering science. While strongly emphasizing those subjects which are of fundamental importance to all branches of engineering, a considerable amount of specialization is permitted in the several groups of study offered by the college. In each department of instruction the work in the class room is made clear and real by extensive work in the laboratories.

EQUIPMENT AND FACILITIES FOR INSTRUCTION

Three buildings on the University Campus and one at the University Farm are devoted primarily to the work in the College of Engineering: the Electrical Engineering Laboratories, erected in 1891; Mechanic Arts Hall, erected in 1898; the Mechanical Engineering Laboratories, erected in 1909, and Machinery Hall.

Mechanic Arts Hall is devoted to the work in civil engineering, electrical engineering, applied mechanics and machine design and mathematics. In addition to the lecture rooms, designing and instrument rooms and offices of these departments, the building contains the materials laboratories, the engineering library and several drawing rooms.

The Materials of Construction Testing Laboratories occupy commodious and well lighted rooms in Mechanic Arts Hall. Below is a partial list of the equipment:

The General Laboratory contains a 200,000-lb. Riehle universal testing machine, a 100,000-lb. universal machine, a 50,000-lb. Olsen universal machine, a 50,000 in.-lb. torsion testing machine, an engine lathe, a wood-turning lathe and other tools for preparing specimens; cases of deflectionometers, compressometers, extensometers, a dial deformeter for beams up to 8 by 13 inches, and other instruments and apparatus for the efficient operation of these machines.

The Cement Laboratory is supplied with two types of cement testing machines, tables and apparatus for molding and storing briquettes; apparatus for consistency, setting, soundness, specific gravity and fineness tests; cylindrical and cubical concrete molds and facilities for preparing other test specimens of plain and reinforced concrete.

The Road Materials Laboratories. Non-Bituminous. Equipped with standard apparatus for all the regular tests for abrasion, toughness, cementation and other qualities necessary to a proper classification of rock,

brick, soil, sand, and other non-bituminous road building materials. **Bituminous.** Equipped and arranged for classifying and testing bituminous road and paving materials; there being penetration machines, ovens, stills, and various forms of apparatus for determining specific gravity, viscosity, consistency, flow, tenacity, and quantitative analyses for bitumen, fixed carbon and aggregate.

These laboratories are all available to students not only in the ordinary routine of their studies but in prosecuting investigations and researches for theses.

The Engineering Library contains a large and valuable collection of engineering and mathematical books, bound periodicals, transactions of engineering societies, with all the more important engineering journals. The completeness of this library makes it well adapted for study and research.

Surveying. For the work in surveying a large assortment of levels, transits, plane tables, rods, chains, etc., is provided.

Drawing Rooms. The freshman drawing room, a large, well lighted and well ventilated room, is situated on the fourth floor of Mechanic Arts Hall. It is supplied with good oak desks and instrument lockers to accommodate six sections of fifty students each. The drawing rooms for machine design and mechanism are on the third floor of the same building, while those for civil engineering classes are on the second and first floors. Other rooms for the agricultural, mechanical and electrical engineering students are in the buildings devoted to these subjects.

The Electrical Engineering Laboratories, consisting of the main power laboratory, the photometry laboratory, and small research laboratories, furnish facilities for instruction in the practical management of stationary and dynamo electric machinery and apparatus, as well as the illustration of modern current practice in design. The equipment has been selected largely with a view to emphasizing the application of theoretical principles to practical commercial electrical engineering. Measuring instruments and testing devices are provided covering a wide range of experimental requirements. There follows a list of some of the larger electrical machines on the floor of the power laboratory:

Two 15 kw. Edison bipolar, shunt-wound generators;

One 30 kw. Westinghouse single-phase 133-cycle alternating current generator;

One 15 kw. General Electric Company's alternating-current generator specially arranged for single, two, three or six-phase connections;

One 20 h. p. "Lincoln" variable-speed direct-current motor;

One 30 h. p. Crocker-Wheeler Company's three-phase 220-volt induction motor;

One Westinghouse Electric & Mfg. Company's two-phase 220-volt induction motor;

One $7\frac{1}{2}$ w. synchronous converter, and one six-phase synchronous converter;

A number of constant-potential transformers, single phase and poly-phase and one constant-current transformer;

Also several different types and sizes of direct-current motors.

One synchronous motor generator set, consisting of two similar units of $7\frac{1}{2}$ kw., six-phase, 110-volt, 60-cycle, revolving field machines, shaft coupled and provided with mechanical phase adjustment;

One General Electric oscillograph with three moving elements for simultaneously taking photographs of three alternating currents;

One 7 kw. compound generator;

One 8 kw. split-pole synchronous converter;

Several transformers with special voltage ratios and numerous taps;

Three induction-type voltage regulators;

One mercury-arc rectifier;

A 65-cell Gould storage battery;

Two 15 h. p. 220-volt direct-current interpole, variable-speed motors;

Additional instruments and meters.

This equipment will afford facilities for valuable advanced research.

The Mechanical Engineering Laboratories building is one of the finest in the university group. It contains the class rooms, offices, and the following important laboratories of the Department of Mechanical Engineering:

The Power Laboratory, for experimental and research work in steam engineering, gas power engineering, refrigeration and hydraulics. Important items of equipment in this laboratory are: one 150 h. p. cross-compound, condensing Corliss engine, with appliances and apparatus for research work; one 20 and one 25 h. p. simple automatic engine; one 5, one 15 and one 40 h. p. simple throttling engine; two 20 h. p. steam turbines of different types; one 65 h. p. cross-compound, 2-stage air compressor with Meyer valve gear; one 50 h. p. Buckeye tandem producer gas engine attached to a specially designed Smith suction gas producer, arranged to burn any kind of fuel; one 18 h. p. Mietz and Weiss oil engine; one 14 h. p. Jacobson automatic gas and gasoline engine; one 8 h. p. Springfield gas and gasoline engine; one 10-ton York refrigerating machine, complete with freezing tank, etc., for the study of refrigeration and the manufacture of ice; one large duplex, direct-acting steam pump; two surface condensing outfits; two 3-stage turbine pumps, each direct-connected to a 50 h. p., variable speed, 3-phase induction motor; a complete equipment of New York and Westinghouse air brakes; one large steel pressure tank with concrete weir tanks, weighing tanks, scales, etc., for experimental work in hydraulics and the testing of hydraulic motors; together with a large assortment of indicators, dynamometers, etc.

The Fuel Testing Laboratory, containing fuel calorimeters of the Mahler, Carpenter and Parr types; gas and oil calorimeters of the Junker

and Sargent types; complete apparatus for the analysis of coals, producer gas and flue gas; and machines for the testing of lubricants and friction.

The Wood Working Laboratory, containing forty speed lathes and thirty-two benches, with complete sets of tools for each, one pattern maker's lathe, one combined cross-cut and rip circular saw, one hand saw, one jig saw, one planer, and such other small tools and apparatus as are required for a wood working department.

The Foundry Laboratory, containing two cupola furnaces, two brass furnaces, one core oven, one traveling crane and all other necessary apparatus for foundry work.

The Forging Laboratory, containing thirty-five down draft forges, complete with tools, one large direct-connected motor driven blower and exhaust fan, one steam hammer and one drill press.

The Machine Tool Laboratory, containing fifteen screw cutting lathes, two speed lathes, one large planer, two shapers, two milling machines, one large horizontal boring mill, one large universal grinding machine, one universal cutter grinder, several drill presses, including a large radial drill, together with a variety of other tools, machines, and benches for machine tool and bench work in metals.

The University Heating and Power Plant houses the University power and heating boilers, stokers and electrical generating plant of 400 kw. capacity. While primarily a service plant, the apparatus may be used occasionally by engineering students for testing.

The Agricultural Engineering buildings located on the campus of the University Farm contain class rooms, offices and the following laboratories:

The Carpentry Laboratory containing forty benches for exercise work and ample room for repair and construction work.

The Forging Laboratory containing thirty forges equipped with hand blowers and down draft smoke conduits, benches for repair work, drills, gears and other tools for general work.

The Farm Machinery Laboratory containing several thousand dollars worth of plows, cultivators, seeders, planters, harvesting machines, grinding and shelling machinery, pumps, etc.

The Farm Motor Laboratory containing a 36 h. p. traction boiler and engine, equipped with pyrometers, calorimeters, indicators, steam pumps, injectors and Prony brake, whereby complete tests may be made. The laboratory also contains sectional steam and gas engines for illustrative work, a dozen or so stationary gas engines for testing and studying, and six traction engines for study and experimental work.

The Rural Architecture rooms are equipped with large, convenient, individual locking drawing tables and benches and floors for concrete and masonry work.

The Automobile Laboratory is a section of the Farm Motor Laboratory and is always equipped with automobiles to be repaired and overhauled. Cases are filled with sectional carburetors, magnetos, engines, gears and starters which are adapted to instructional work.

Research Work—The laboratories of this department are especially equipped for research work in pumping systems, traction engine testing, lighting systems and farm machinery.

New Buildings—The early construction of commodious new Agricultural Engineering Laboratories is assured.

STUDENT ORGANIZATIONS

The Engineering Society—This society is a federation of the student organizations in the several branches of engineering. Its purpose is to counterbalance the segregating influence of the separate societies, to promote interest in the general field of engineering, and to give organized student support to the College of Engineering. The society issues quarterly the *Blue Print*, a publication containing technical articles by students, alumni and faculty. The programs of the society consist of papers and discussions by students and faculty, and addresses by practicing engineers. The meetings are held monthly. The monthly meetings of the following component organizations fall on dates midway between the meetings of the Engineering Society.

The Student Branches of the American Institution of Electrical Engineers, The American Society of Mechanical Engineers and The American Society of Agricultural Engineers—These societies have been authorized by their respective national societies. The purpose of each is to develop in students an interest and facility in the particular branch of engineering concerned, and to open a clear avenue of approach to membership in the parent society for those who within a reasonable period of years qualify for such membership.

The Architectural Engineering Society and The Civil Engineering Society—These have been organized to afford to students of architectural and civil engineering, respectively, the benefit of discussion within their own lines, and to enable them to participate in the affairs of the general engineering society.

Literary and Social. The Palladian and the Union are open University literary societies meeting weekly on Friday evenings in their rooms in the Temple. Membership in a number of other literary and social clubs is open to students in the College of Engineering.

Religious. The Young Men's Christian Association, a non-sectarian and voluntary organization of Christian men, members of the University, organizes and conducts Bible study among the students, holds public meetings, helps students to find suitable rooming and boarding places, gives

free aid to students in search of employment, and publishes an annual Students' Handbook containing information especially valuable to new students. Inquiries should be addressed to the Secretary of the Young Men's Christian Association, Station A, Lincoln, Nebraska.

ADMISSION TO THE COLLEGE OF ENGINEERING

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College of the University which the applicant may wish to enter, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below under "Admission by Certificate," and in the subjects for the amount indicated below under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours¹ and only in chemistry,

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

Greek, mechanical drawing, trigonometry, third and fourth year German, French, and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants for admission to the University, except those mentioned above, are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing must be presented in the following subjects for the

amount indicated; the time element as indicated above in the definition of an *entrance point* is essential:

Required Subjects	Points
English	4
History (European) (a)	2
Language (foreign) (b)	6 to 4
Mathematics (algebra and geometry) (b)	4 to 6
Science (laboratory)	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Four points of foreign language, three points algebra, and three points geometry are required.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration week each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A like fee of \$3 is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser, approved by the Dean of the College. A first or a second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third or a fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained

an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

Advisers. Since the first year's work in the Engineering College is practically the same for all groups, any member of the Engineering faculty may act as Adviser to freshmen. For the second and subsequent years a regular student's Adviser is the head of the department most closely related to the group in which he is registered or some person delegated by that head to act for him. No schedule of subjects is valid for registration without the signature of the student's Adviser. The Dean of the College acts as Adviser for adult special students and as head Adviser for all students within the College.

REQUIREMENTS FOR GRADUATION

Hours of Credit. In all of the four-year groups in the College of Engineering, 125 hours¹ are required for graduation. No student is recommended for graduation who is not within eighteen hours of this requirement at the beginning of his last semester.

Grades. Not more than 25 hours of the student's work below a grade of 70 per cent is credited on requirements for graduation.

Thesis. The election of thesis work is allowed only to men well prepared to benefit therefrom. In order to be approved, the subject chosen for investigation must demand scientific treatment. It is advised that the work be laid out to extend thru two semesters. Registration in the second semester must be preceded by approval of subjects as early as November 15 preceding. A maximum total credit of five hours may be received.

Required Subjects. The subjects required for graduation from any one of the four-year engineering groups are given under the appropriate group heading on pages 177 to 189. Four hours of military science (courses 1, 2, 3, 4,) are required of all men students. Only credibly attested physical disability, or membership in a religious organization whose creed prohibits participation in warfare in any form (on the part of parent in case of a minor), are accepted as excusing from the requirements in military science. Unless excused or reprieved by the Chancellor, each undergraduate man

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

must fulfill this requirement in his freshman and sophomore years. A reprieve does not abridge or otherwise modify a man's requirement in military science save to defer the period for discharging it. A man excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degrees sought. Those excused for conscientious scruples are required to do work in physical education equivalent in amount. Thoro drill elsewhere than at the University may, as in case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

Inspection Trips.—Trips of inspection to points of engineering interest are made each year under faculty supervision. Participation in one of these trips and a written report upon the same are required for graduation. The trip should not be taken earlier than the student's third year in the College.

Special Examinations. The board of regents has made the following ruling: (1) No student has a right to demand a private examination. Such examinations are granted simply as favors, at the option of instructors. (2) No member of a class or section may, for any reason or under any pretext whatever, be privately examined at an earlier time than that set for his class or section. Any individual examination permitted must be held later. (3) To be examined at a time later than that set for his class or section, whatever the reason, a student must pay a special examination fee of \$1 a course. The student desiring an individual examination in any course first obtains his instructor's consent thereto, and then pays the Secretary the proper fee, taking a receipt. This receipt, being shown the instructor, authorizes him to proceed with the examination.

Student Rules and Regulations. Students in the College of Engineering are under the same University regulations as are the students of the other colleges of the university in regard to absence, delinquency, dismissal, student activities, and rooming. The most important of these rules are summarized in the first section of the annual general catalog of the University; a pamphlet containing the entire set of rules may be obtained from the Registrar.

FEEES AND EXPENSES

The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration; refund will be made

only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The following fees are required of students in the College of Engineering: Matriculation (payable on entering each college).....\$5.00

Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one College to another.

Incidental, each semester.....	3.00
Library (if no laboratory fees are paid).....	1.00
Diploma fee (undergraduate).....	5.00
Diploma fee, in absentia (undergraduate).....	15.00
Special registration (late registration or re-registration).....	3.00
Special examination.....	1.00

LABORATORY FEES

Agricultural Engineering—Courses 5, 6, 7, 14, 24, 31, 32, 33, 34, \$1; 1, 2, 3, 4, 8, 9, 10, 12, 17, 18, 22, \$3; 15, \$8.

Applied Mechanics—Course 15, \$5; 18, \$4; 16, 17, 20, \$3; 25, 26, \$5.

Chemistry—Courses A, B, 1, 2, 21, 34, \$5; 5, 15, 16, 23, 27, 41, \$2; D, 1 and 2 combined, 3, \$10; 14, \$8; 19, 20, \$4; 7, 8, 22, 23a, 39, 40, for each credit hour a semester, \$1.

Civil Engineering—Course 1, \$1; 5a, 6a, 8, \$3.

Electrical Engineering—Courses 8, 8a, 9, 10, \$5; 1, 9a, 10a, \$2.

Mechanical Engineering—Course 18, \$2; 3a, 4, 15, \$5; 1, 2, 3, 5, 16, 17, \$6.

Physics—Courses 1, 2, 3, 4, 6, \$4.

These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned, to pay the amount of such waste or damage at the Secretary's office, and to present his receipt therefor to the department before his semestral credit is reported to the Registrar.

Expenses. The average cost of a year's attendance at the University (not including fees of any kind) is between \$300 and \$400. Many students reduce this amount. Board and lodging may be had among families of the city. In September the Agent of Student Activities makes a canvass of the city and keeps on file lists of rooms and boarding places. The Agent of

Student Activities maintains an employment bureau. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the University do not, however, undertake to find employment for students. A student is advised not to enter the University unless he can count upon resources for one semester—at least \$150.

STUDENT LOAN FUND

Hon. John R. Webster, of Omaha, Dr. John Alexander Low Waddell, of Kansas City, and Hon. William Gunn Whitmore, of Valley, have given the sum of \$1,000 each to be used as a permanent loan fund for students needing assistance. Mr. Webster's donation applies to all students in the University, while the donations of Dr. Waddell and Mr. Whitmore are limited to students in the Engineering College. Mrs. Ida C. Carter, of New York, has given a fund of \$500, to be known as the A. E. Carter Loan Fund, in honor of her husband, who was a graduate of the College of Engineering. This fund is available for students of that College only. The interest received from the loaning of this money goes to increase the fund. Application blanks and the full rules for administration may be obtained at the office of the Secretary. Loans will be made only to students in need of assistance, who have been matriculated for at least one full year. Upper classmen will be given preference in the making of loans. The moral character of the applicant, his habits of temperance and industry, and his assiduity and success in his studies will also be determining factors. The amount loaned to one student will, except in extraordinary cases, be limited to \$100 per semester. The note given by the borrower will bear six per cent interest, payable annually; the loan is to be wholly repaid two years after the student graduates or withdraws from the University.

GROUPS OF STUDIES AND DEGREES

The College of Engineering offers four-year groups of study in Architectural, Agricultural, Civil, Electrical and Mechanical Engineering, leading to the degree of Bachelor of Science in Architectural, Agricultural, Civil, Electrical or Mechanical Engineering respectively, and a six-year combined Academic and Engineering group leading to the degree of Bachelor of Arts at the end of the fourth or fifth year and that of Bachelor of Science in one of the engineering groups at the end of the sixth year. In all of the four-year groups 125 "credit hours" are required for graduation.

Architectural Engineering. The Architectural Engineering Group is designed to train men to undertake the engineering design of buildings, including particularly the foundations and the frame work, columns and floors. Men trained in this line will find their occupation chiefly in connection with large and important buildings. In Architectural Engineering, as distinguished from Architecture, relatively little attention is paid to the aesthetic side of design.

Agricultural Engineering. The courses in Agricultural Engineering are designed to qualify men to become teachers of the subject, managers of

large farms, ranches, plantations, estates, etc., to do the general engineering work of rural communities, or to enter the wider field of commercial and professional engineering. Farm machinery, farm motors, rural architecture, drainage, sewage disposal, water systems, etc., are treated in a comprehensive manner.

Civil Engineering. The courses in Civil Engineering deal with the subjects of railroad engineering, hydraulic engineering, irrigation, water supply, sewerage, structural design, masonry construction, etc. *Mining Engineering.* Students expecting to become Mining Engineers will be advised as to substitution and electives which will facilitate entrance with advanced standing to a school of mines. *Municipal Engineering.* Students desiring to prepare definitely for the engineering of cities and towns will also be advised as to substitutions and electives.

Electrical Engineering. The courses in Electrical Engineering give attention to the theory and design of electrical apparatus and machinery, the electrical transmission of energy and of intelligence, and the industrial application of electricity to lighting, transportation, power and chemical processes.

Mechanical Engineering. The courses in mechanical engineering deal with problems relating to combustion and the analysis of fuels, the generation and transmission of power, and the design, construction, operation and testing of machinery of all kinds.

Six-Year Combined Academic-Engineering Course. It has been found that all the requirements of both the academic and the engineering courses may be met in six years, the degree of Bachelor of Arts being taken at the end of the fourth or fifth year and that of Bachelor of Science in one of the Engineering groups at the end of the sixth.

GRADUATE WORK IN ENGINEERING

Graduate work in engineering may be taken by any student who has had preparation in mathematics and science equivalent to that required of undergraduates in engineering, but candidates for the advanced degrees in engineering must, in addition, possess technical preparation equivalent to that required in the undergraduate courses. Graduate work consists of special laboratory investigations, of advanced engineering design or of the collection and reduction of existing data relating to some specific engineering topic. So far as possible such work is arranged to suit the needs of the individual student.

For one full year of resident graduate work with an acceptable thesis covering some phase of the work undertaken, there will be granted the degree of Master of Science in Agricultural, Architectural, Civil, Electrical or Mechanical Engineering, depending upon the particular line of work pursued.

For three full years of resident graduate work in Engineering there will be granted upon the presentation and publication of a suitable thesis the degree of Doctor of Philosophy.

The degrees of Agricultural Engineer, Architectural Engineer, Civil Engineer, Electrical Engineer, or Mechanical Engineer may be conferred upon graduates of the University of Nebraska of not less than five years' standing, who have previously received the degree of B. Sc. in Engineering and who have been in responsible charge of work and done meritorious service in the practice of their professions. At the time of registering for such degree the candidate will present a detailed statement of his preparation, work and experience together with an acceptable topic for a thesis. Not less than one year thereafter, during which time he shall have studied and worked under the general supervision of the head of the department in which he expects to take his degree, he shall submit his thesis and present himself for examination in the work done under the supervision mentioned above. If the thesis and examination prove satisfactory he will be recommended for the degree. In no case will a professional degree be conferred in absentia.

The rules of the Graduate College apply to all graduate work and students taking the same must matriculate in that College.

ORDER OF COURSES IN FOUR-YEAR ENGINEERING GROUPS

To avoid conflict in the time schedules of students and to secure the proper sequence in studies, it is necessary that the engineering courses be taken in the following prescribed order. *In no case should this order be departed from without consultation with the head of the engineering department chiefly concerned.* (See also "Adult Special Students.")

FIRST YEAR OF ALL FOUR-YEAR ENGINEERING GROUPS

	Credit Hours
FIRST SEMESTER	
Mathematics 1 (Algebra and Plane Trigonometry).....	5
Physics 1 (Mechanics of Solids and Fluids)	3
Rhetoric and English Composition 1.....	2
Applied mechanics 1 (Mechanical Drawing).....	3
Mechanical Engineering 1 (Elementary Wood Work).....	3
Military Science 1.....	1
	<hr/>

17

¹In the Agricultural Engineering group, Agricultural Engineering 1 is taken in place of Mechanical Engineering 1, and Agricultural Engineering 2 in place of Mechanical Engineering 2, making the total registration 16 hours each semester.

	Credit Hours
SECOND SEMESTER	
Mathematics 2 (Analytical Geometry and Calculus).....	5
Physics 2 (Heat and Sound).....	3
Rhetoric and English Composition 2.....	2
Applied Mechanics 2 (Descriptive Geometry).....	3
¹ Mechanical Engineering 2 (Pattern-making and Foundry Work).....	3
Military Science 2.....	1
	—
	17

AGRICULTURAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER	
Mathematics 3 (Analytical Geometry and Calculus).....	5
Chemistry 1 (Qualitative Analysis).....	2
Physics 3 (Electricity).....	2
Applied Mechanics 3 (Mechanism).....	3
Agricultural Engineering 3 (Farm Machinery).....	2
Animal Husbandry 13 (Live Stock Management).....	2
Military Science 3.....	1
	—
	17

SECOND YEAR—SECOND SEMESTER	
Mathematics 4 (Calculus).....	5
Chemistry 2 (Qualitative Analysis).....	2
Agricultural Engineering 4 (Elementary Farm Motors).....	2
Applied Mechanics 14 (Theoretical and Applied).....	3
Civil Engineering 5 (Surveying).....	2
Civil Engineering 5a (Surveying Field Work).....	2
Military Science 4.....	1
	—
	17

THIRD YEAR—FIRST SEMESTER	
Agricultural Engineering 11 (Rural Domestic Engineering).....	3
Geology 25 (Engineering Geology).....	2
Dairy Husbandry (Milk Production).....	3
Mechanical Engineering 10 (Steam Engineering).....	4
Agricultural Engineering 9 (Advanced Farm Machinery).....	2
Electrical Engineering 3 (Electric Power).....	2
Seminar.....	0
	—
	16

¹See (1) p. 177.

	Credit Hours
THIRD YEAR—SECOND SEMESTER	
Agricultural Engineering 12 (Rural Domestic Engineering Lab).....	2
Agricultural Engineering 10 (Advanced Farm Motors).....	2
Mechanical Engineering 16 (Laboratory).....	3
Civil Engineering 11 (Hydraulics).....	2
Electrical Engineering 8a (Laboratory).....	2
Agronomy 51 (Soils).....	4
Seminar.....	0
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	15

FOURTH YEAR—FIRST SEMESTER

Agricultural Engineering 5 (Rural Architecture).....	3
Farm Management 3 (Farm Organization).....	3
Applied Mechanics 16 (Mechanics of Materials).....	3
Civil Engineering 21 (Roads, Streets and Pavements).....	2
Seminar.....	1
Electives.....	2
	—
	14

FOURTH YEAR—SECOND SEMESTER

Agricultural Engineering 6 (C. E. 12) (Irrigation and Drainage Engineering).....	4
Civil Engineering 18 (Elementary Structural Design).....	2
Thesis, Approved Electives.....	5
Seminar.....	1
Electives.....	2
	—
	14

ARCHITECTURAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

Mathematics 3 (Analytical Geometry and Calculus).....	5
Physics 3 (Electricity).....	2
Civil Engineering 5 (Surveying).....	2
Civil Engineering 5a (Field Work).....	2
Chemistry 1 (Qualitative Analysis).....	2
Fine Arts (Charcoal and Pencil).....	1
Applied Mechanics 23 (Applied Descriptive Geometry).....	2
Military Science 3.....	1
	—
	17

¹Preferred electives: Horticulture 20, Applied Mechanics 25, Public Speaking, History, Economics, English Composition.

Credit
Hours

SECOND YEAR—SECOND SEMESTER

Mathematics 4 (Calculus).....	5
Chemistry 2 (Qualitative Analysis).....	2
Physics 4 (Electricity and Light).....	2
Applied Mechanics 14 (Theoretical and Applied).....	3
Economics 1.....	3
Fine Arts (Pen and Ink).....	1
Military Science 4.....	1

17

THIRD YEAR—FIRST SEMESTER

Fine Arts 9 (Cathedral Architecture).....	2
Applied Mechanics 15 (Mechanics of Materials).....	5
Applied Mechanics 27 (Specifications and Working Drawings).....	4
Electrical Engineering 3 (Electric Power).....	2
Civil Engineering 11 (Hydraulics).....	2

15

THIRD YEAR—SECOND SEMESTER

Fine Arts 10 (Modern Architecture).....	2
Electrical Engineering 8a (Laboratory).....	2
Applied Mechanics 28 (Specifications and Working Drawings).....	4
Civil Engineering 16 (Stresses in Framed Structures).....	4
Mechanical Engineering 10 (Steam Engineering).....	4

16

FOURTH YEAR—FIRST SEMESTER

Applied Mechanics 17 (Cement and Concrete Testing).....	2
Mechanical Engineering 19 (Heating and Ventilation of Buildings).....	2
Mechanical Engineering 11 (Steam Boilers).....	2
Civil Engineering 15 (Design of Framed Structures).....	3
Civil Engineering 17 (Reinforced Concrete Design).....	2
Electrical Engineering 17 (Electric Lighting).....	2

13

FOURTH YEAR—SECOND SEMESTER

Chemistry 23 (Technical and Metallurgical).....	2
Applied Mechanics 18 (Materials of Construction).....	2
Civil Engineering 22 (Masonry Construction).....	4
Mechanical Engineering 14 (Building Sanitation).....	2
Mechanical Engineering 16 (Power Laboratory).....	3

13

CIVIL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

	Credit Hours
Mathematics 3 (Analytical Geometry and Calculus).....	5
Physics 3 (Electricity).....	2
Chemistry 1 (Qualitative Analysis).....	2
Applied Mechanics 3 (Mechanism).....	3
Civil Engineering 5 (Surveying).....	2
Civil Engineering 5a (Surveying Field Work).....	2
Military Science 3.....	1
	<u>17</u>

SECOND YEAR—SECOND SEMESTER

Mathematics 4 (Calculus).....	5
Physics 4 (Electricity and Light).....	2
Chemistry 2 (Qualitative Analysis).....	2
Applied Mechanics 14 (Theoretical and Applied).....	3
Civil Engineering 6 (Surveying).....	2
Civil Engineering 6a (Surveying Field Work).....	2
Military Science 4.....	1
	<u>17</u>

THIRD YEAR—FIRST SEMESTER

Electrical Engineering 3 (Electric Power).....	2
Applied Mechanics 15 (Mechanics of Materials).....	5
Applied Mechanics 17 (Cement and Concrete Testing).....	2
Civil Engineering 11 (Hydraulics).....	2
Chemistry 23 (Technical and Metallurgical).....	2
Electives.....	3
	<u>16</u>

THIRD YEAR—SECOND SEMESTER

Civil Engineering 22 (Masonry Construction).....	4
Civil Engineering 16 (Framed Structures).....	4
Applied Mechanics 18 (Materials of Construction).....	2
Electrical Engineering 8a (Laboratory).....	2
Mechanical Engineering 10 (Steam Engineering).....	4
	<u>16</u>

FOURTH YEAR—FIRST SEMESTER

Civil Engineering 15 (Design of Framed Structures).....	3
¹ Mechanical Engineering 16 (Power Laboratory)or electives.....	3
Civil Engineering 25 (Engineering Economics).....	2
Romance Languages 31 (Spanish), or approved electives.....	5
	<u>13</u>

¹Mechanical Engineering 16 and 18 in the Civil Engineering group are alternatives, one of which must be taken. The other may be replaced by electives.

FOURTH YEAR—SECOND SEMESTER		Credit Hours
Civil Engineering 20 (Advanced Theory of Structures) or.....	3	3
Civil Engineering 24 (Hydraulic Engineering) or.....	(3)	3
Civil Engineering 10 (Railway Location).....	(3)	3
Civil Engineering 26 (Engineering Economics).....	2	2
Romance Language 32 (Spanish) or approved electives.....	5	5
¹ Mechanical Engineering 18 (Experimental Hydraulics) or Electives....	2	2
		12

ELECTRICAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

Mathematics 3 (Analytical Geometry and Calculus).....	5
Physics 3 (Electricity).....	2
Chemistry 1 (Qualitative Analysis).....	2
Applied Mechanics 3 (Mechanism).....	3
Mechanical Engineering 3a (Forge Work)or 4 (Machine Work).....	2
Military Science 3.....	1

SECOND YEAR—SECOND SEMESTER

Mathematics 4 (Calculus).....	5
Physics 4 (Electricity and Light).....	2
Chemistry 2 (Qualitative Analysis).....	2
Applied Mechanics 14 (Theoretical and Applied).....	3
Physics 5 (Problems in Electricity).....	2
Electrical Engineering Lecture.....	1
Military Science 4.....	1
	—
	16

THIRD YEAR—FIRST SEMESTER

Applied Mechanics 5 (Machine Design).....	3
Electrical Engineering 1 (Dynamios).....	5
Physics 6 (Electrical Measurements).....	3
Civil Engineering 5 (Surveying).....	2
Civil Engineering 5a (Surveying Field Work).....	2
	—
	15

¹Mechanical Engineering 16 and 18 in the Civil Engineering group are alternatives, one of which must be taken. The other may be replaced by electives.

THIRD YEAR—SECOND SEMESTER		Credit Hours
Applied Mechanics 16 (Mechanics of Materials)	.....	3
Electrical Engineering 2 (Dynamometers)	.....	3
Chemistry 23 (Technical)	.....	2
Electrical Engineering 8 (Electrical Laboratory)	.....	2
Mechanical Engineering 16 (Power Laboratory)	.....	3
Mechanical Engineering 10 (Steam Engineering)	.....	4
		<hr/> 17

FOURTH YEAR—FIRST SEMESTER

Electrical Engineering 9 (Laboratory)	.....	2
Electrical Engineering 5 (Alternating Currents)	.....	5
Electrical Engineering 15 (Technical Reports)	.....	1
Civil Engineering 11 (Hydraulics) or Electives	.....	2
¹ Electives	.....	4
		<hr/> 14

FOURTH YEAR—SECOND SEMESTER

Electrical Engineering 6 (Alternating Currents)	.....	3
Electrical Engineering 10 (Laboratory)	.....	2
¹ Electives	.....	9
		<hr/> 14

MECHANICAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

Mathematics 3 (Analytical Geometry and Calculus)	.....	5
Physics 3 (Electricity)	.....	2
Chemistry 1 (Qualitative Analysis)	.....	2
Applied Mechanics 3 (Mechanism)	.....	3
Mechanical Engineering 3 (Forge Work)	.....	3
Military Science 3	.....	1
		<hr/> 16

SECOND YEAR—SECOND SEMESTER

Mathematics 4 (Calculus)	.....	5
Chemistry 2 (Qualitative Analysis)	.....	2
Applied Mechanics 14 (Theoretical and Applied)	.....	3
Mechanical Engineering 4 (Machine Tool Work)	.....	2
Mechanical Engineering 15 (Fuel Testing Laboratory)	.....	2
Military Science 4	.....	1
		<hr/> 15

¹Of the electives, at least 8 hours must be taken from those offered by the Electrical Engineering department.

THE UNIVERSITY OF NEBRASKA

THIRD YEAR—FIRST SEMESTER

	Credit Hours
Applied Mechanics 5 (Machine Design).....	3
Applied Mechanics 16 (Mechanics of Materials).....	3
Electrical Engineering 3 (Electric Power).....	2
Mechanical Engineering 5 (Machine Construction).....	3
Mechanical Engineering 10 (Steam Engineering).....	4
	—
	15

THIRD YEAR—SECOND SEMESTER

Applied Mechanics 6 (Machine Design).....	3
Chemistry 23 (Technical).....	2
Electrical Engineering 4 (Electric Power).....	2
Civil Engineering 11 (Hydraulics).....	2
Civil Engineering 18 (Elementary Structural Design).....	2
Mechanical Engineering 8 (Economics of Shop Production).....	2
Mechanical Engineering 16 (Power Laboratory).....	3
	—
	16

FOURTH YEAR—FIRST SEMESTER

Mechanical Engineering 11 (Steam Boilers).....	2
Mechanical Engineering 13 (Thermodynamic Applications).....	3
Mechanical Engineering 17 (Power Laboratory).....	3
Mechanical Engineering 19 (Heating and Ventilation) or approved elective.....	2
Mechanical Engineering 31 (Hydraulic Motors and Pumping Machinery).....	3
Electives.....	3
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	16

FOURTH YEAR—SECOND SEMESTER

Civil Engineering 2 (Surveying).....	2
Electrical Engineering 8a (Laboratory).....	2
Mechanical Engineering 20 (Power Plant Design).....	2
Mechanical Engineering 22 (Gas Power Engineering) or approved elective.....	2
Mechanical Engineering 24 (Power Transmission).....	2
Thesis, Electives.....	5
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	15

ORDER OF COURSES IN SIX-YEAR COMBINED ACADEMIC-ENGINEERING GROUPS

	FIRST YEAR		Semester	
			1st	2nd
Mathematics 1, 2 (Algebra and Plane Trigonometry, Analytical Geometry and Calculus).....	5	5	5	5
The Classics or Modern Language.....	5	5	5	5
Rhetoric and English Composition 1, 2.....	2	2	2	2
Applied Mechanics 1, 2 (Mechanical Drawing, Descriptive Geometry).....	3	3	3	3
Applied Mechanics 24, 23 (Free-Hand Drawing, Applied Description Geometry).....	1	1	1	1
Military Science 1, 2.....	1	1	1	1
			17	17

SECOND YEAR

Mathematics 3, 4 (Analytical Geometry, Calculus).....	5	5	5	5
Modern Language or English.....	5	5	5	5
Physics 1, 2 (Mechanics, Heat and Sound).....	3	3	3	3
Mechanical Engineering 1, 2 (Wood, Pattern and Foundry Work).....	2-3	2-3	2-3	2-3
Military Science 3, 4.....	1	1	1	1
			16-17	16-17

THIRD YEAR

Applied Mechanics 3, 14 (Mechanism, Analytical Mechanics).....	3	3	3	3
History.....	3	3	3	3
Biology.....	3	3	3	3
Chemistry 1, 2 (Qualitative Analysis).....	3	3	3	3
Physics 3, 4 (Electricity, Magnetism and Light).....	2	2	2	2
Electives.....	2	2	2	2
			16	16

¹In the Agricultural Engineering Group, Agricultural Engineering 1 and 2 are substituted for Mechanical Engineering 1 and 2.

FOURTH YEAR

AGRICULTURAL ENGINEERING

First Semester—Agronomy 1, 3 hrs.; Ag. Eng. 3, 2 hrs.; Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 16, 3 hrs.; Civil Eng. 5, 5a, 4 hrs. . . . 15

Second Semester—Eng. Lit. 2 or Rhet. 6, 3 hrs.; Ag. Eng. 4, 2 hrs.; Mech. Eng. 10, 4 hrs.; Dairy Hus. 3, 3 hrs.; elective, 3 hrs. 15

ARCHITECTURAL ENGINEERING

First Semester—Chem. 23, 2 hrs.; Civil Eng. 5, 5a, 4 hrs.; Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 15, 5 hrs.; Fine Arts (Charcoal and Pencil), 1 hr. 15

Second Semester—Civil Eng. 11, 2 hrs.; Econ. 1, 3 hrs.; Eng. Lit. 2 or Rhet. 6, 3 hrs.; App. Mech. 17, 18, 4 hrs.; Fine Arts (Pen and Ink), 1 hr., elective, 2 hrs. 15

CIVIL ENGINEERING

First Semester—Chem. 23, 2 hrs.; Civil Eng. 5, 5a, 4 hrs.; Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 15, 5 hrs.; elective, 1 hr. 15

Second Semester—Civil Eng. 6, 6a, 4 hrs.; Eng. Lit. 2 or Rhet. 6, 3 hrs.; App. Mech. 18, 2 hrs.; Mech. Eng. 4, 10, 6 hrs. 15

ELECTRICAL ENGINEERING

First Semester—Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 5, 16, 6 hrs.; Mech. Eng. 3a, 2 hrs.; Civil Eng. 11, 2 hrs.; elective, 2 hrs. . . 15

Second Semester—Eng. Lit. 2 or Rhet. 6, 3 hrs.; Chem. 23, 2 hrs.; Mech. Eng. 4, 10, 6 hrs.; Physics 5, 2 hrs.; Elec. Eng. Lecture 1 hr.; elective, 1 hr. 15

MECHANICAL ENGINEERING

First Semester—Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 5, 16, 6 hrs.; Mech. Eng. 3, 3 hrs.; elective, 3 hrs. 15

Second Semester—Chem. 23, 2 hrs.; Eng. Lit. 2 or Rhet. 6, 3 hrs.; App. Mech. 6, 3 hrs.; Mech. Eng. 4, 10, 6 hrs.; elective, 1 hr. 15

FIFTH YEAR

AGRICULTURAL ENGINEERING

First Semester—Ag. Eng. 5, 9, 5 hrs.; Agronomy 51, 4 hrs.; Civil Eng. 11, 2 hrs.; App. Mech. 17, 2 hrs.; Elect. Eng. 3, 2 hrs. 15

Second Semester—Ag. Eng. 10, 6, 6 hrs.; Mech. Eng. 16, 3 hrs.; Elect. Eng. 4, 8, 4 hrs.; Horticulture 20, 2 hrs. 15

¹Of the electives in the Electrical Engineering group, at least eight hours must be taken from the courses offered by the Electrical Engineering department.

ARCHITECTURAL ENGINEERING

First Semester—App. Mech. 23, 27, 6 hrs.; Elect. Eng. 3, 2 hrs.; Mech. Eng. 10, 4 hrs.; Fine Arts 9, 2 hrs.; elective, 1 hr. 15

Second Semester—App. Mech. 28, 4 hrs.; Elect. Eng. 8a, 2 hrs.; Civil Eng. 16, 4 hrs.; Fine Arts 10, 2 hrs., elective, 3 hrs. 15

CIVIL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 3, 2 hrs.; App. Mech. 17, 2 hrs.; Civil Eng. 11, 17, 4 hrs.; Mech. Eng. 3, 3 hrs.; elective, 1 hr. 15

Second Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 8a, 2 hrs.; Civil Eng. 16, 22, 8 hrs.; Mech. Eng. 18, 2 hrs. 15

ELECTRICAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 1, 5 hrs.; Physics 6, 3 hrs.; Civil Eng. 5, 5a, 4 hrs. 15

Second Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 2, 8, 5 hrs.; Civil Eng. 18, 2 hrs.; Mech. Eng. 16, 3 hrs.; elective, 2 hrs. 15

MECHANICAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 3, 2 hrs.; Civil Eng. 11, 2 hrs.; Mech. Eng. 5, 11, 7 hrs.; elective, 1 hr. 15

Second Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 4, 2 hrs.; Civil Eng. 18, 2 hrs.; Mech. Eng. 16, 22, 24, 7 hrs.; elective, 1 hr. 15

SIXTH YEAR

AGRICULTURAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Ag. Eng. 11, 3 hrs.; Farm Management 3, 3 hrs.; Mech. Eng. 31, 3 hrs.; Approved elective, 3 hrs. 15

Second Semester—Philosophy or Economics, 3 hrs.; Ag. Eng. 12, 22, 4 hrs.; Civil Eng. 12, 18, 5 hrs.; Thesis or elective, 3 hrs. 15

ARCHITECTURAL ENGINEERING

First Semester—Mech. Eng. 19, 11, 4 hrs.; Civil Eng. 15, 17, 5 hrs.; Elect. Eng. 17, 2 hrs.; elective, 3 hrs. 14

Second Semester—Civil Eng. 22, 4 hrs.; Mech. Eng. 14, 16, 5 hrs.; Thesis or elective, 5 hrs. 14

CIVIL ENGINEERING

First Semester—Civil Eng. 15, 25, 5 hrs.; Mech. Eng. 16, 3 hrs.; Rom. Lang. 31, or elective, 5 hrs.; elective, 1 hr. 14

Second Semester—Civil Eng. 10, or Civil Eng. 20, or Civil Eng. 24, 3 hrs.; Civil Eng. 26, 2 hrs.; Rom. Lang. 32, or elective, 5 hrs.; Thesis or elective, 4 hrs. 14

ELECTRICAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 5, 9, 15, 8 hrs.; elective, 3 hrs. 14

Second Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 6, 10, 5 hrs.; elective, 6 hrs. 14

MECHANICAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Mech. Eng. 13, 17, 19, 31, 11 hrs. 14

Second Semester—Philosophy or Economics, 3 hrs.; Mech. Eng. 8, 20, 4 hrs.; Elec. Eng. 8, 2 hrs.; Thesis or elective, 4 hrs.; elective, 1 hr. 14

Total number of hours required for each six-year group 188

The Graduate College

OFFICERS OF ADMINISTRATION AND INSTRUCTION

-
- SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
 LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College and Professor of English Language and Literature. (*Head of Department of English Language and Literature.*)
 VANCIL KELSO GREER, LL. B., Registrar and University Publisher. (*Secretary of the Faculties.*)
 FLORENCE IRWIN MCGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*)
-

- HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy.
 JOHN EDWIN ALMY, Ph. D., Professor of Experimental Physics.
 LEON EMMONS AYLSWORTH, A. M., Professor of Political Science.
 GROVE ETTINGER BARBER, A. M., Professor of Roman History and Literature. (*Head of Department of Roman History and Literature.*)
 ERWIN HINCKLEY BARBOUR, Ph. D., Professor of Geology. (*Head of Department of Geology.*)
 FRANKLIN DAVIS BARKER, Ph. D., Professor of Medical Zoology and Parasitology.
 GEORGE BORROWMAN, Ph. D., Associate Professor of Chemistry.
 WILLIAM CHARLES BRENKE, M. S., Ph. D., Professor of Mathematics.
 JUDD NOBLE BRIDGMAN, M. S., Associate Professor of Civil Engineering.
 LAWRENCE BRUNER, B. Sc., Professor of Entomology and Entomologist of the Experiment Station. (*Head of Department of Entomology.*)
 PHILO MELVIN BUCK, JR., A. M., Professor of Rhetoric.
 WILLIAM WESLEY BURR, B. Sc., Professor of Agronomy. (*Head of Department of Agronomy.*)
 HOWARD WALTER CALDWELL, A. M., Professor of American History. (*Head of Department of American History.*)
 ALBERT LUTHER CANDY, Ph. D., Professor of Pure Mathematics.
 LEON WILSON CHASE, B. Sc., Professor of Agricultural Engineering. (*Head of Department of Agricultural Engineering.*)

¹Resigned.

- GEORGE RICHARD CHATBURN, A. M., C. E., Professor of Applied Mechanics and Machine Design. (*Head of Department of Applied Mechanics and Machine Design.*)
- GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)
- CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)
- BENTON DALES, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)
- WILLIAM FRANCES DANN, A. M., Professor of History and Criticism of the Fine Arts. (*Head of Department of History and Criticism of the Fine Arts.*)
- ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences and Professor of Mathematics. (*Head of Department of Mathematics.*)
- CHARLES LYMAN DEAN, B. Sc. in M. E., Associate Professor of Mechanical Engineering.
- CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean and Professor of Applied Mathematics.
- MINNIE THROOP ENGLAND, Ph. D., Assistant Professor of Economics.
- OLIN JEROME FERGUSON, M. E. E., Professor of Electrical Engineering. (*Head of Department of Electrical Engineering.*)
- HORACE CLYDE FILLEY, A. M., Professor of Farm Management. (*Head of Department of Farm Management.*)
- FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)
- MILLER MOORE FOGG, A. M., Professor of Rhetoric.
- CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)
- LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)
- MARY LOUISE FOSSLER, A. M., Assistant Professor of Chemistry.
- PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)
- SHERLOCK BRONSON GASS, Ph. B., Associate Professor of Rhetoric.
- PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts and Professor of Modern German Literature.
- AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology. (*Head of Department of Physiology.*) (In Omaha.)
- WILLIAM GRANGER HASTINGS, A. B., Dean of the College of Law and Professor of Law. (*Head of Department of Jurisprudence and Public Law.*)

- EDGAR LENDERSON HINMAN, Ph. D., Professor of Logic and Metaphysics.
- JAMES DAVID HOFFMAN, M. E., Professor of Mechanical Engineering and Practical Mechanics. (*Head of Department of Mechanical Engineering.*)
- VERNON LEO HOLLISTER, E. E., Associate Professor of Electrical Engineering.
- ¹GEORGE ELLIOTT HOWARD, Ph. D., Professor of Political Science and Sociology. (*Head of Department of Political Science and Sociology.*)
- ALICE CUSHMAN HUNTER, Ph. D., Assistant Professor of Roman History and Literature.
- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- THEODORE ALEXANDER KIESSELBACH, A. M., Professor of Agronomy.
- JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)
- JAMES EDWARD LE ROSSIGNOL, Ph. D., Director of School of Commerce and Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*)
- ALICE MARIE LOOMIS, A. M., Professor of Home Economics. (*Head of Department of Home Economics.*)
- GEORGE ANDREW LOVELAND, A. M., LL. B., Professor of Meteorology.
- GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Dean of the Graduate School of Education and Professor of Education. (*Head of Department of Education.*)
- RUFUS ASHLEY LYMAN, A. M., M. D., Dean of the College of Pharmacy, and Professor of Physiology and Pharmacology. (*Head of Department of Physiology and Pharmacology.*)
- EDWIN MAXEY, D. C. L., Ph. M., Professor of Public Law and Diplomacy.
- BURTON EVANS MOORE, Ph. D., Professor of Physics.
- CLARK EDMUND PERSINGER, A. M., Professor of American History.
- HARLEY MARTIN PLUM, Ph. D., Professor of Agricultural Chemistry.
- RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)
- LOUISE POUND, Ph. D., Professor of English Language.

¹Absent on leave.

- CHARLES WILLIAM PUGSLEY, B. Sc., Professor of Agricultural Extension.
- ELIZABETH IRENE REESE, A. B., A. M., Associate Professor of Romance Languages and Literatures.
- FREDERICK WARREN SANFORD, A. B., Associate Professor of Roman History and Literature.
- ANDREW D. SCHRAG, Ph. D., Associate Professor of Germanic Languages and Literatures.
- ADDISON ERWIN SHELDON, A. M., Lecturer in Political Science and Director Legislative Reference Bureau.
- CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics.
(*Head of Department of Physics.*)
- PHILIP KUHN SLAYMAKER, M. E., Professor of Machine Design.
- OSCAR VAN PELT STOUT, C. E., Dean of the College of Engineering and Professor of Civil Engineering. (*Head of Department of Civil Engineering.*)
- FREDERICK AMES STUFF, A. M., Litt. D., Professor of English Language and Literature.
- MYRON HARMON SWENK, A. M., Professor of Economic Entomology.
- GOODWIN DE LOSS SWEZEY, A. M., Professor of Astronomy. (*Head of Department of Astronomy.*)
- WILLIAM GEORGE LANGWORTHY TAYLOR, A. B., LL. B., Professor Emeritus of Economics and Commerce.
- LOUIS BRYANT TUCKERMAN, JR., A. B., Professor of Theoretical Physics.
- FRED WILBERT UPSON, Ph. D., Professor of Agricultural Chemistry. (*Head of Department of Agricultural Chemistry.*)
- GEORGE OLIEN VIRTUE, Ph. D., Professor of Economics and Commerce.
- HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*)
- ELDA REMA WALKER, Ph. D., Associate Professor of Botany.
- ¹CHARLES WILLIAM WALLACE, Ph. D., Professor of English Dramatic Literature.
- JOHN ERNST WEAVER, Ph. D., Associate Professor of Botany.
- HUTTON WEBSTER, Ph. D., Professor of Social Anthropology.
- DAVID DAY WHITNEY, Ph. D., Professor of Zoology and Anatomy.

¹Absent on leave.

EDWIN MEAD WILCOX, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station. (*Head of Department of Plant Pathology and Physiology.*)

WILLIAM ALBERT WILLARD, Ph. D., Professor of Anatomy. (In Omaha.)

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology. (*Head of Department of Zoology.*)

HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)

Graduate Council

Professors Brenke, Chatburn, Fossler, Lees, Sherman, Upson, Webster, Wilcox, Wolfe.

Standing Committees

Examinations—Professors Wilcox, Webster.

Enrollment—Professors Lees, Upson.

Publication—Professors Brenke, Fossler.

Standardization—Professors Wolfe, Chatburn.

THE GRADUATE COLLEGE

Organization and History of the Graduate College—Graduate instruction in the University of Nebraska was organized in 1886. In September of that year courses were offered in thirteen subjects, including Sanskrit, Old French, Germanics, and Institutional History. In 1895 a Graduate School was organized, under a dean and a designated faculty. The number of students increased steadily, and in 1898 thirty-nine candidates received degrees. During the second period, lasting till 1909, many graduate subjects were added, including Astronomy, Bacteriology, Commerce, Education, English History, Geography, Physiology, and Sociology. In the legislative session of 1909 the charter of the University was amended, and the establishment of seven colleges, instead of the five colleges named in the charter, were authorized. By this act the Graduate School became the Graduate College of the University of Nebraska.

Purpose of the Graduate College—The Graduate College extends and enlarges the work of the undergraduate departments, in order to provide facilities for specialization and research. It enables students to employ themselves for two or more semesters on uncompleted subjects, or other work for which the discipline of college training has prepared them. It furnishes expert and standard preparation for those who expect to become investigators, consulting engineers, or teachers in academies and colleges. The Graduate College offers these privileges, which would be costly in an institution differently endowed, practically without expense to the student.

Degrees—The degrees of Doctor of Philosophy, Master of Arts, Master of Science, Agricultural Engineer, Civil Engineer, Electrical Engineer, and Mechanical Engineer are conferred on registered students, by the Board of Regents, upon recommendation of the Graduate Faculty.

ADMISSION TO THE GRADUATE COLLEGE

Classes of Graduate Students.—The Graduate College recognizes three classes of applicants: those who, having taken a bachelor's degree, wish to broaden their education without reference to higher degrees; those who wish to be candidates for advanced degrees, but are deficient in undergraduate preparation; and those who are eligible to candidacy, and wish to enter at once upon their special work. Those who do not wish to be candidates for an advanced degree are at once admitted, on evidence of graduation, to approved work in the Graduate College. Persons presenting first degrees in Law or Medicine or Theology may be admitted in this class. Those seeking advanced degrees, with insufficient preparation, are admitted to graduate standing, but must at once make up their deficiencies by taking courses in the undergraduate colleges. On completion of these assigned or

arranged courses, such students are recognized as applicants of the third class, and are eligible to candidacy for the degree desired.

Registration—Graduates of the undergraduate colleges of this University, or of other colleges having equivalent courses and requiring four years of standard preparation, who have been accepted and approved by heads of departments in charge of the subjects proposed, are registered by the Dean of the college for the degree they designate. For the degree of Doctor of Philosophy, the candidate must be registered for a major subject and an approvably related minor, or a major subject and two approvably related minors. Candidates for the degree of Master of Arts may be registered for a single subject, or for a major and a minor subject, or for a major and two minors.

Fees

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

Matriculation (payable on entering each college).....	\$5.00
Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.	
Incidental, each semester.....	3.00
¹ Library, each semester.....	1.00
Diploma fee, for each advanced degree.....	10.00
Diploma fee, for each advanced degree (in absentia).....	20.00
Agricultural Chemistry—Course 105, \$3; 116, 130, 132, \$5; 107, 108, 110, 112, 117, 120, for each credit hour a semester, \$2.	
Agricultural Engineering—Courses 5, 6, 7, 32, 34, \$1; 8, 9, 10, 12, 22, \$3.	
Applied Mechanics—Courses 15, 25, 26, \$5; 18, \$4; 16, 17, \$3.	
Bacteriology and Pathology—Courses 2a, 3, 4, \$5.	
Botany—Courses 5, 6, 19, 20, 23, 24, 25, 26, \$3; 11, 12, 13, 14, 27, 28, 29, 31, 33, 34, \$1; 15, 16, 17, 18, 21, 22, \$2; 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, for each credit hour a semester, \$1.	
Chemistry—Courses 21, 34, \$5; 15, 16, 27, \$2; 14, \$6; 7, 8, 22, 39, 40, for each credit hour a semester, \$1.	

¹Graduate students taking laboratory work are charged the usual laboratory fees. A student paying any laboratory fee is not required to pay the library fee.

Civil Engineering—Course 1, \$1; 5a, 6a, 8, \$3.

Entomology—Courses 15, 16, 17, 18, for each credit hour a semester, \$1.

Geography and Conservation—Courses 1, 2, 5, 6, 7, 8, 21, 22, 23, 24, 28, 52, \$1.

Geology—Courses 13, 18, 25, 27, 31, 33, 34, \$1; 15, 16, \$3.

Mechanical Engineering—Courses 16, 17, \$6; 15, \$5; 18, \$2.

Physiology and Pharmacology—Courses 1, 2, 3, 6, \$5; 4, 5, \$3; 8, \$8; 10, 11, \$2; 9, for each credit hour a semester, \$2.

Plant Pathology and Physiology—Courses 108, 117, 118, \$3; 115, 116, for each credit hour a semester, \$1; 125, 126, 127, 128, for each credit hour a semester, \$2.

Zoology—Courses 3, 4, 11, 12, 13, 14, 17, 26, 32, 35, \$2; 3 (with additional laboratory work), 4 (with additional laboratory work), 15, 20, 21, 23, 25, \$3; 24, A, \$4; 18, 22, \$5; 8, 9, \$1; 33, 34, 36, 37, 43, for each credit hour a semester, \$1.

The usual laboratory fees are required of those taking work in any science or engineering department. But any student who is able to devote only a portion of his time to his University work may, upon the recommendation of the Graduate Council to the University Secretary, be permitted to register free of charge after he has paid the usual dues and fees for four semesters, if a candidate for the degree of Master of Arts, and for eight semesters, if a candidate for the degree of Doctor of Philosophy.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidacy for the degree of Doctor of Philosophy can in no case be completed in less than three years of graduate study. Two years of such work, in another institution, when carried with proper facilities and under competent instruction, may be credited by the Graduate Council; but the last year of candidacy must be spent in residence in the Graduate College. Each candidate must, at registration, satisfy the Graduate Council that he has a reading knowledge of French and German, or must arrange with the heads of these departments with reference to his deficiencies.

Preliminary Examinations—Not later than one school year before his final examination, each candidate for the degree of Doctor of Philosophy must submit to a preliminary examination. This examination may be waived, however, in the case of a candidate who has taken his Master's degree in this University.

Thesis—On completion of his studies, the candidate must present an acceptable thesis. The thesis, prepared upon a topic that has been approved by the professor in charge of the major subject, must show evidence of scholarly research. It must be typewritten, paged, and bound according to a prescribed form, which may be seen in the University library. It must be submitted to the professor in charge of the major subject at least two months before the intended graduation of the candidate. When it has

been approved by the examining committee, it will be placed in the Chancellor's office, where, during a period of not less than two weeks, it will be available for inspection by members of the faculty. A public defense of the thesis may be required of the candidate. After the thesis has been finally approved, the candidate must file an original and a duplicate typewritten copy of it with the librarian. The original copy of the thesis so filed may not be loaned, or pass from the custody of the librarian under any circumstances or pretext whatsoever. It is also required of the candidate that he have printed and deposited in the library of the University one hundred copies of his thesis, to be subject to the control of the librarian and the head of the department concerned. All theses and printed copies thereof must be provided with a cover and a title page lettered in a form prescribed by the librarian. The degree, however, may be conferred before the thesis is printed, provided a security bond be furnished and filed with the Secretary of the Board of Regents. The amount of this bond is to be named by the librarian, and any term of extension will be fixed jointly by the librarian and the Dean of the Graduate College.

Final Examination—After the thesis of the candidate has been accepted by the examining committee, he must pass a public examination in the subject offered for his degree. This examination is held before an examining committee of not less than three members, including the professors in charge of the major and minor subjects, supplemented if necessary by appointment from the graduate faculty.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

Candidacy for the degree of Master of Arts¹ can in no case be completed in less than a year of resident graduate study. On completion of this study, the candidate must pass a public examination, and present an acceptable thesis, based upon some topic connected with his major subject.

Examination—After finishing his studies, each candidate must pass a public examination in the subjects offered for the Master's degree. By concession, a student unable to complete his candidacy in a single residence at the University may be examined in his major and minor studies separately on completion of either. The examination is conducted by a committee composed of the professors in charge of the major and minor subjects, and some member of the Graduate Council. If but a single subject is offered, an additional examiner is appointed from the Graduate Faculty.

Thesis—Each candidate for the degree of Master of Arts must present a thesis embodying, in connection with his major subject, the results of research, or the scholarly treatment of some topic. It must be typewritten, paged, and bound according to a prescribed form, which may be seen in

¹The degree of Master of Science may be substituted for the degree of Master of Arts on application by candidates who have pursued approved courses in Theoretical or Applied Science.

the library of the University. It must be submitted for examination at least two weeks before the intended graduation of the candidate. After being approved and accepted, the thesis becomes the property of the University and is placed on file in the University library.

FELLOWSHIPS AND SCHOLARSHIPS

Fellowships and Scholarships, established in the different departments of the University, are available to students registered in the Graduate College. Fees are remitted to Fellows and Scholars for courses listed in the Graduate College only. Fees will be required for all undergraduate laboratory work. These positions are awarded to students recommended by the respective heads of departments. They are not gifts or benefactions from the State, but are means whereby services are rendered to the University and at the same time the holder is assisted in some special line of work. The instruction required of Fellows and Scholars is confined to the department in which they are pursuing advanced work. For additional information see the announcement of the various colleges.

COURSES OF INSTRUCTION

The courses of instruction for the Graduate College, the College of Arts and Sciences, and the Teachers College are grouped together, on later pages of this catalog, under the heading, "Courses of Instruction."

The
Graduate School of Education
In the Graduate College

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College and Professor of English Language and Literature. (*Head of Department of English Language and Literature.*)

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Dean of the Graduate School of Education and Professor of Education. (*Head of Department of Education.*)

¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher. (*Secretary of the Faculties.*)

FLORENCE IRWIN MCGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*)

HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy.

GROVE ETTINGER BARBER, A. M., Professor of Roman History and Literature. (*Head of Department of Roman History and Literature.*)

ERWIN HINCKLEY BARBOUR, Ph. D., Professor of Geology. (*Head of Department of Geology.*)

WILLIAM CHARLES BRENKE, Ph. D., Professor of Mathematics.

LAWRENCE BRUNER, B. Sc., Professor of Entomology and Entomologist of the Experiment Station. (*Head of Department of Entomology.*)

WILLIAM WESLEY BURR, B. Sc., Professor of Agronomy. (*Head of Department of Agronomy.*)

HOWARD WALTER CALDWELL, A. M., Professor of American History. (*Head of Department of American History.*)

ALBERT LUTHER CANDY, Ph. D., Professor of Pure Mathematics.

GEORGE RICHARD CHATBURN, A. M., C. E., Professor of Applied Mechanics and Machine Design. (*Head of Department of Applied Mechanics and Machine Design.*)

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)

CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)

BENTON DALES, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)

WILLIAM FRANCES DANN, A. M., Professor of History and Criticism of the Fine Arts. (*Head of Department of History and Criticism of the Fine Arts.*)

¹Resigned.

- ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences and Professor of Mathematics. (*Head of Department of Mathematics.*)
- CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean and Professor of Applied Mathematics.
- FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)
- MILLER MOORE FOGG, A. M., Professor of Rhetoric.
- CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)
- LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)
- PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)
- PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts and Professor of Modern German Literature.
- JAMES DAVID HOFFMAN, M. E., Professor of Mechanical Engineering and Practical Mechanics. (*Head of Department of Mechanical Engineering.*)
- ¹GEORGE ELLIOTT HOWARD, Ph. D., Professor of Political Science and Sociology. (*Head of Department of Political Science and Sociology.*)
- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)
- JAMES EDWARD LE ROSSIGNOL, Ph. D., Director of the School of Commerce and Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*)
- RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Physiology and Pharmacology and Dean of the College of Pharmacy. (*Head of Department of Physiology and Pharmacology.*)
- RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)
- CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics. (*Head of Department of Physics.*)

¹Absent on leave.

OSCAR VAN PELT STOUT, C. E., Dean of the College of Engineering and Professor of Civil Engineering. (*Head of Department of Civil Engineering.*)

FREDERICK AMES STUFF, A. M., Litt. D., Professor of English Language and Literature.

GOODWIN DE LOSS SWEZEY, A. M., Professor of Astronomy. (*Head of Department of Astronomy.*)

GEORGE OLIEN VIRTUE, Ph. D., Professor of Economics and Commerce.

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*)

EDWIN MEAD WILCOX, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station. (*Head of Department of Plant Pathology and Physiology.*)

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology. (*Head of Department of Zoology.*)

HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)

Standing Committees

Course of Study—Professors Wolfe (*Chairman*), Barber, Fossler, Fling Frye, Candy, Pool, Skinner, Virtue.

Graduate Teachers' Certificates—Professors Caldwell (*Chairman*), Alexander, Barbour, Chatburn, Dales, and the Registrar.

Advisory and Teachers' Employment—Dean Luckey, Professor Reed, and the Professor concerned with the student's graduate major subject.

Nominations—The Chancellor, Deans Luckey, Sherman.

THE GRADUATE SCHOOL OF EDUCATION

Organization—The Department of Education for the professional training of secondary teachers was established in 1895. Prior to that, courses in education had been offered by the Department of Philosophy. From the first, work in the Department of Education, except in the case of experienced teachers, was limited to students of junior, senior, or graduate rank. In 1908 the Teachers College and the new Department of Educational Theory and Practice were established, both, as in the Department of Education, covering work of the last two years of the college course, or an additional graduate year. Since 1897 many departments concerned with subjects taught in the high schools have offered graduate courses for the better preparation of teachers. In the spring of 1914 this individual effort in the training of teachers thru graduate study was organized into the Graduate School of Education.

Purpose—The Graduate School of Education is designed to meet three important needs: A stronger and more effective body of teachers; better educational material and more progressive scholarship; more healthful school conditions, better standards of measurement and more inspiring methods of instruction. It is, therefore, the purpose of the school, first, thru organized and directed graduate study to prepare (a) efficient teachers for the best high schools, normal schools, and colleges, (b) school administrators, principals, and superintendents, (c) experts in social welfare and teachers of special subjects; second, to organize and direct graduate study in education, to promote research and to stimulate investigation of the present practices of school and society; third, to furnish a laboratory or workshop in which disciplined schoolmen can unite with graduate students in working out the difficult problems of school administration and instruction.

Requirements—The Graduate School of Education is open only to graduate students who have met the conditions of registration in the Graduate College. To obtain the graduate teachers' diploma the student must have received the master's or doctor's degree from the Graduate College in this institution. The major, or major and minors, leading to the above degrees are departmental functions and may be elected at will by the student. The major for the master's degree, in most departments, covers about twelve semestral hours of graduate study plus a thesis showing original investigation; the minor varies from eight to twelve semestral hours of classroom work. In addition to the major, or major and minor, which represent the subjects the student is preparing to teach, there are eighteen semestral hours of graduate courses in education and psychology, twelve in the former and six in the latter. This requirement may be reduced to twelve semestral hours, eight in education and four in psychology, provided the previous professional preparation of the student justifies.

Four of the twelve semestral hours in education and two of the six semestral hours in psychology may be elected by the student from graduate pedagogical courses offered in other departments. Students who have not had experience in teaching are advised to obtain credit for observation and practice-teaching in the University. Courses one and two in Education and one and two in Philosophy as offered in this University are prerequisites to the above professional requirements. The only fixed requirements are two semestral hours in adolescence and four in graduate experimental psychology.

Graduate Teachers' Diploma—The graduate teachers' diploma is conferred on those who, thru graduate study, have shown productive scholarship and special fitness for teaching in high schools, normal schools, and colleges. It is the highest recommendation offered by the University to the teaching profession, and covers only the subject or subjects that the student, thru at least a year of graduate study, is specially prepared to teach. The diploma is accredited in most of the states as sufficient credential upon which to base teachers' certificates.

To obtain the graduate teachers' diploma one must have fulfilled the requirements as outlined above. This may be accomplished in one year of graduate study—four summer sessions—by persons who are specially fitted for graduate study and who continue with their strongest interests, others may require a year and a summer session, or even two years. The master's or doctor's degree must precede or be granted along with the graduate teachers' diploma. The latter is based on one year of graduate study of not less than thirty semestral hours of credit. The time required to accomplish a given end depends largely on the preparation and ability of the student and the nature and importance of his subject. Much depends on the judgment of the student in selecting a major. Every subject has its value and its difficulties, some more than others. Most students will major in the academic subject they expect to teach, making education a minor. Only those students who are preparing to teach education in normal school or college are encouraged to major in that subject. Where graduate students are employed to assist the professors in class-work and conferences they obtain the most valuable practice-teaching. Most graduate departments have scholarships and fellowships open to properly prepared students in which the above assistance can be rendered.

Graduate students, not candidates for degrees or diplomas, will find in the Graduate School of Education excellent opportunity to renew their youth and increase their teaching-efficiency by profitable advanced study.

Courses of Instruction—The graduate courses of instruction leading to advanced degrees and the graduate teachers' diplomas are usually so designated and scheduled in the different departments under the general heading "Courses of Instruction." When not so designated in the announcement the student, thru the advice of his major professor, will have

little difficulty in selecting appropriate academic courses fulfilling the major or minor requirements for advanced degrees, including the graduate teachers' diploma. In most departments graduate work is conditioned on previous undergraduate preparation in the same subject. To illustrate: "Students in the Graduate School of Education who elect a major in Botany must have had courses 1 and 2 (or their equivalent). They are recommended to take courses 3 and 4 and in addition courses 13 and 14, or 19 and 20."

In Mathematics: "Candidates for the graduate teachers' diploma with the master's degree in Mathematics are required to have completed as undergraduate work courses 1-6 inclusive, or their equivalent; and in graduate courses 21, 22, 23, 24, 25, 27."

In Entomology, the courses suggested are 3, 4, 5, and 6. Other departments make similar arrangement concerning graduate majors and minors. These are found scheduled in the different departments under "Courses of Instruction."

The professional requirements for the graduate teachers' diploma may be met from courses 5-14, and 36 in Education, 55 and 56 in Theory and Practice, a teachers' course in the major subject, and courses 11-16 in Philosophy.

Fees—There are no extra fees for enrolling in the Graduate School of Education, other than those required in the Graduate College. There is, however, a fee of two dollars for the graduate teachers' diploma.

The College of Law

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

WILLIAM GRANGER HASTINGS, A. B., Dean of the College of Law.

¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher.
(*Secretary of the Faculties.*)

FLORENCE IRWIN MCGAHEY, A. B., Acting Registrar and University
Publisher. (*Secretary of the Faculties.*)

WILLIAM GRANGER HASTINGS, A. B., Professor of Law, Dean of
the College of Law.

HENRY H. WILSON, A. M., LL. M., Professor of Law.

EDWIN MAXEY, Ph. M., D. C.L., Professor of Public Law and Diplo-
macy.

CHARLES AUGUSTUS ROBBINS, Ph. M., LL. B., Professor of Law.

JOHN JAMES LEDWITH, B. Sc., LL. B., Assistant Professor of Law.

ADDISON ERWIN SHELDON, A. M., Director of the Legislative Refer-
ence Bureau. Instructor in Contemporary Legislation.

GEORGE NIMMONS FOSTER, Ph. B., LL. B., J. D., Assistant Professor
of Law.

JEFFERSON H. BROADY, A. B., J. D., Assistant Professor of Law.

SAMUEL JOHNSON TUTTLE, A. M., LL. B., Ex-Judge of the District
Court. Instructor in Real Property, Lecturer on Land Titles.

¹Absent on leave.

THE COLLEGE OF LAW

As a place for study, the modern law school has great superiority over the law office. This has led the American Bar Association to recommend an absolute requirement of law school work for admission to the bar. Among law schools, moreover, those which form part of a university community offer many advantages in the way of free lecture courses, opportunities for pursuing kindred studies, general library facilities, students' societies and clubs not to be had in an independent law school or in a university law department which is located apart from the university's other schools and colleges. The College of Law of the University of Nebraska is a modern law school in the center of a large and growing university community.

COURSES AND DEGREES

Three-Year Course. Three years of undergraduate work in the College of Law and one preliminary year of academic study are necessary for the degree of Bachelor of Laws.

Six-Year Combined Academic and Law Course. Fourth-year students in the College of Arts and Sciences may elect courses in the department of Jurisprudence and Public Law which count towards the degree of Bachelor of Laws, and not to exceed twelve hours¹ a week each semester of the first-year studies in the College of Law. These subjects count towards the degree of Bachelor of Arts or of Bachelor of Science. By this arrangement, a student is enabled to complete a combined course of study in six years and receive the two degrees. The student expecting to take this combined course of six years must declare his intention before taking his first degree and must pay the regular fees of the College of Law. Students completing this course may receive the degree of Doctor of Jurisprudence by meeting the requirements as shown for this degree under "Requirements for Graduation."

ADMISSION TO THE COLLEGE OF LAW

Credentials which are accepted towards admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission* to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation during each of the eighteen weeks of a semester.

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing in the College of Law may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 hours¹ of college work and 30 entrance points, for conditional admission 30 hours of college work and a minimum of 28 entrance points, from one of the approved sources given below, under "Admission by Certificate," and in the subjects for the amount indicated below, under "Entrance Subjects." Students are permitted to enter this College deficient 9 hours of the above college work if the character of their preparation is such that during the first year and the following Summer Session, in which is permitted registration for a maximum of 9 hours, all deficiencies can be removed and the work of the first year in the College also be completed. Work from another institution presented to meet the above requirements of college work will be evaluated as indicated below, under "Admission to Advanced Standing."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of eight hours and only in Greek, solid geometry, trigonometry, third and fourth year German and French, and fourth year Latin and English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation during each of the eighteen weeks of a semester.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate, and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element, as indicated above in the definition of an entrance point, is essential:

Required Subjects		Points
English		4
History (European) (a)		2
Language (foreign) (b)	6 to 4	} 10
Mathematics (algebra and geometry) (b)	4 to 6	
Science (laboratory)		2
Elective Subjects		
Other subjects taught in an approved manner in an accredited secondary school		12
Total		30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with minimum of four points in either.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other Universities or Colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulation as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason.

REGISTRATION

Registration week each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless excused by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A like fee of \$3 is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Dean of the College. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that

subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

Student Adviser. The Dean of the College is the students' Adviser. He has daily consultation hours when students may call seeking advice and encouragement in their work. Leave of absence for a brief period is granted a student by the Dean. This leave is merely a justification for the absence and is not an excuse from any work. Students not previously excused shall make request for excuse for absence within two weeks after the absence ceases.

FEES AND EXPENSES

Fees must be paid upon registration, to the Secretary. The incidental library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory. No extra fees are charged in the College of Law to students from other states. No student may enroll in classes or take any private examination until his fees are paid.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The schedule of fees in the College of Law is as follows:

Matriculation fee (payable on entering each college)	\$5
Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.	
Library fee, each semester	1
Incidental (6-year combined course), each semester	3
Diploma fee (Bachelor of Law)	5
Diploma fee, in absentia, undergraduate (Bachelor of Law)	15
Diploma fee (Doctor of Jurisprudence)	10
Tuition fees:	
Annual tuition, payable \$25 for the first semester and \$20 for the second semester	45
For one semester only	25

Special students, in proportion to number of hours taken but not less than one-third of full tuition.

Examination fees:

For advanced standing.....	10
For all who require special examination.....	2

Expenses. The cost of table board to students in Lincoln ranges from \$4.00 to \$5.50 a week. The cost of lodging ranges from \$5 to \$12 a month, the usual cost being from \$5 to \$6 where two students occupy the same room. The usual cost of combined board and lodging is from \$20 to \$25. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the College do not, however, undertake to find employment for students. The University Y. M. C. A. maintains an employment bureau, whose services are free to students.

REQUIREMENTS FOR GRADUATION

The Degree of Bachelor of Laws. Regular students who have completed the course of instruction to the satisfaction of the faculty of the College of Law and the Board of Regents of the University receive the degree of Bachelor of Laws. Students whose time and means do not permit them to complete the course receive certificates of proficiency according to the merit and extent of their work.

Grades. No student will be recommended for graduation whose general average is below 70 per cent.

No student is recommended for graduation who is not within 18 hours of the requirement at the beginning of his last semester.

The Degree of Doctor of Jurisprudence. Holders of the degree of Bachelor of Laws from the University of Nebraska who have completed the course leading to that degree with an average standing of not less than 75 per cent and who are also holders of baccalaureate degrees from colleges and universities of recognized standing, shall be entitled to the additional degree of Doctor of Jurisprudence, if they shall within not less than one nor more than five years from their graduation, as Bachelors of Laws, present proof of having spent at least one year in legal professional pursuits, either as practitioner, teacher or student of Jurisprudence and shall present a satisfactory thesis upon some professional legal topic, either theoretical or practical, which thesis shall be accepted by the Faculty of the College of Law. The foregoing rule shall apply to all present holders of the degree of Bachelor of Laws from the University of Nebraska who can meet the requirements thereof within five years from June 9, 1915. Candidates for this degree must re-matriculate and register in the University for the year prior to the Commencement at which they expect to receive the same.

ADMISSION TO THE BAR

Under the statutes of Nebraska, admission to the bar is to be had in the Supreme Court only, and is governed by rules established by that court. The statutes now provide as follows: "No person shall be admitted to the bar unless such person is at least twenty-one years of age and of good moral character, and unless such person either (1) has had a preliminary education, other than legal, equivalent to that involved in the completion of the first three years of a high-school course accredited by the State Department of Public Instruction, and has regularly and attentively studied law in a reputable law school or in the office of a practicing attorney, or partly in such school and partly in such office, for a period of at least three years, at least one year of which office study shall have been passed in a law office in this state, and shall pass a satisfactory examination upon the principles of the common law, equity, criminal law, statutes and practice of this state; or (2) is a regular graduate of the College of Law of the University of Nebraska, or of such other college of law of this state having entrance requirements and a course of study equal to and equivalent to those of the College of Law of the University of Nebraska as the Supreme Court shall, upon application and showing, designate as a College of Law whose graduates shall be entitled to admission without examination; Provided, that such other College of Law shall be a member of the Association of American Law Schools. Provision shall be made by rule of court for the registration of students in law offices in this state at the beginning of their respective terms of study in the office of the clerk of the Supreme Court or the office of the clerk of the District Court in the county in which any such law office is located." The College of Law of this University is a member of the Association of American Law Schools and graduates of the College of Law are admitted to practice in Nebraska on motion without examination other than that sustained prior to graduation.

COURSES OF INSTRUCTION

The course of instruction in the College of Law extends thru three years of thirty-six weeks each exclusive of vacations. The design of the course is two-fold: (1) To afford the training in the fundamental principles of the common law essential to the practice of the profession in any jurisdiction where that system obtains. (2) To acquaint the student with the special subjects of immediate or local importance in Nebraska and neighboring states and to instruct him thoroly in the peculiarities of substantive law and procedure in those jurisdictions, so as to enable him to enter upon the practice understandingly at once, without any further term of practical instruction in an office. In addition, bearing in mind the extent to which the legislature and executive departments are recruited from the bar, and the part which the profession must take in legislation of all kinds, as well

as in progress and reform of the law, it is designed to stimulate an intelligent and enduring interest in the history and science of law, and in scientific methods of legislation in order to make not merely practitioners, but lawyers in the fullest sense. With the additional requirement of one year of college work by way of preparation it is hoped that the student may be saved from what seems the most besetting error in regard to law and society, a wholly mechanical conception of them and of possible changes in them. The following program of study is made with these ends in view:

REQUIRED COURSES

FIRST YEAR—FIRST SEMESTER

Common Law Pleading—Whittier's Cases on Pleading Part I and supplementary cases. Two hours. Foster

Contracts—Williston's Cases on Contracts. Three hours. Robbins

Criminal Law and Procedure—Mikell's Cases on Criminal Law; the Nebraska Criminal Code. Three hours. Maxey

History and System of the Common Law—A general survey of the legal system of English-speaking countries; courts, their organization and jurisdiction. Selected cases; Blackstone's Commentaries. Book III; Street's Foundations of Legal Liability, vol. 3. Forms of Action, Maitlands, Lectures. Two hours. Hastings

Property I—Gray's Cases on Property, 2d ed., vols. 1 and 2. Two hours. Broady

Torts—Ames & Smith's Cases on Torts, vol. 2. Two hours. Wilson

FIRST YEAR—SECOND SEMESTER

Agency—Huffcut's Cases on Agency. Two hours. Robbins

Common Law Pleading—Whittier's Cases Part II and supplementary cases. One hour. Foster

Contracts (Concluded)—Three hours. Robbins

Domestic Relations—Woodruff's Cases on Domestic Relations. One hour. Foster

Equity Jurisdiction I—Keener's Cases on Equity Jurisdiction, vol. 1. Two hours. Hastings

Practice in Justices' Courts—Selected cases; Cobbeys' Students' Code of Nebraska. One hour. Ledwith

Property I (Concluded)—Gray's Cases on Property, 2d ed., vols. 1 and 2. Two hours. Broady

Torts (Concluded)—Ames & Smith's Cases on Torts, vol. 1. Two hours. Wilson

THE UNIVERSITY OF NEBRASKA

SECOND YEAR—FIRST SEMESTER

Code Pleading—Hinton's Cases on Code Pleading and supplementary cases. Three hours. Foster

Equity Jurisdiction II—Keener's Cases on Equity Jurisdiction, vols. 2 and 3 and Nebraska Cases. Three hours. Hastings

Equity Pleading—Thompson's Cases on Equity Pleading. One hour. Foster

Evidence—Wigmore's Cases on Evidence. Two hours. Wilson

Property II—Gray's Cases on Property, 2d ed., vol. 3 and selected cases. Two hours. Broady

Quasi-Contracts—Woodruff's Cases on Quasi-Contracts. Two hours. Robbins

Court Practice I—Call of Junior Docket moot cases. Lectures on Evidence as branch of Practice. Nebraska cases. One hour. Foster

SECOND YEAR—SECOND SEMESTER

Bills and Notes—Smith & Moore's Cases on Bills and Notes. Three hours. Robbins

Code Practice—Bringing an action; provisional remedies; Nisi prius; judgment, execution, appellate procedure. Sunderland's Cases on Practice; Revised Statutes of Nebraska. Wheeler's Compiled Statutes. Codes. Three hours. Hastings

Damages—Beale's Cases on Damages. One hour. Broady

Evidence (Concluded)—Two hours. Wilson

Wills and Administration—Gray's Cases on Property, 2d ed., vol. 4. Two hours. Broady

Trusts—Ames' Cases on Trusts and supplementary cases. Three hours. Foster

Court Practice I—Call of Junior Docket. Lectures and discussion of Trial under the codes. Nebraska cases. One hour. Foster

THIRD YEAR—FIRST SEMESTER

Constitutional Law—Hall's Cases on Constitutional Law. Two hours. Hastings

Federal Procedure—Selected cases. One hour. Wilson

Insurance—Selected cases. One hour. Robbins

Mortgages—Kirchwey's Cases on Mortgages. Two hours. Ledwith

Partnership—Gilmore's Cases on Partnership. Two hours. Robbins

Private Corporations—Smith's Cases on Private Corporations. Two hours. Maxey

Property III—Gray's Cases on Property, vol. 5. Three hours.

Tuttle

Court Practice II—Call day for Senior Docket moot Court. Lectures and discussion on appeal and error. Nebraska cases. One hour.

Foster

THIRD YEAR—SECOND SEMESTER

Constitutional Law (Concluded)—Hall's Cases on Constitutional Law. Three hours.

Hastings

Municipal Corporations—Smith's Cases on Municipal Corporations. and selected cases. One hour.

Broadly

Public Service Companies—Beale and Wyman's Cases on Public Service Companies. Two hours.

Maxey

Private Corporations (Concluded)—Two hours.

Maxey

Property III (Concluded)—Gray's Cases on Property, vol. 6. Two hours.

Tuttle

Sales—Burdick's Cases on Sales. Two hours.

Robbins

Suretyship and Guaranty—Wilson's Cases on Suretyship and Guaranty. One hour.

Wilson

Court Practice II (Concluded)—Appellate Practice under the Codes. One hour.

Foster

ELECTIVES

At least eight hours of work in the elective courses must be presented for the degree

OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS AND, UPON CONSENT OF THE DEAN, TO FIRST-YEAR STUDENTS

Administrative Law I (PUBLIC LAW 3)—Public officers; extraordinary legal remedies. Goodnow's Cases of the Law of Officers. First semester. Two hours attendance. Two hours credit.

Maxey

Administrative Law II (PUBLIC LAW 4)—Taxation. Goodnow's Cases on Taxation. Second semester. Two hours attendance. Two hours credit.

Maxey

Analytical and Historical Jurisprudence (JURISPRUDENCE 3)—Second semester. Three hours attendance. Three hours credit.

Maxey

International Law I (PUBLIC LAW 6)—Maxey's International Law. First semester. Three hours attendance. Three hours credit.

Maxey

International Law II (PUBLIC LAW 7)—Advanced Course. Second semester. Two hours attendance. Two hours credit to students who do not present International Law 1.

Maxey

Admiralty Law—Ames' Cases. Two hours attendance. Two hours credit. Second semester.

Maxey

Roman Law (JURISPRUDENCE 2)—History and Institutes. First semester. Two hours attendance. Two hours credit. (*Given in 1918-1919 and alternate years.*)

Practical Legislation (POLITICAL SCIENCE 33 and 34)—Drafting and criticism of legislative bills and information briefs with Legislative Reference Bureau. Practice work at State House January to April of odd-numbered years. Open to second and third-year, and, on the approval of the Dean, to first-year law students.

Sheldon

OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS ONLY

Bankruptcy—Holbrook and Aigler's Cases on Bankruptcy. First semester. Two hours attendance. Two hours credit.

Robbins

Conflict of Laws—Beale's Cases on the Conflict of Laws. Minor's Conflict of Laws. Second semester. Two hours attendance. Two hours credit. (*Given in 1917-18 and alternate years.*)

Hastings

Irrigation Law—Selected cases. First semester. Two hours. (*Given in 1917-18 and alternate years.*)

Broadly

Mining Law—Costigan's Cases on Mining Law. First semester. Two hours. (*Given in 1918-19 and alternate years.*)

Hastings

OPEN TO THIRD-YEAR STUDENTS ONLY

Conveyancing—Practical exercises in conveyancing, examining abstracts of title, and drafting papers, under the personal supervision of the instructor. Pound's Exercises in Conveyancing. Second semester. Two hours attendance. Two hours credit.

Ledwith

EXTRA COURSES (NO CREDIT)

Bar Examination Review—A general review of the more important topics of the law, based upon questions used at bar examinations. Open to third-year students only. Second semester. Hours to be arranged.

Robbins, Hastings, Maxey

PRACTICE AND PRACTICE COURTS

In addition to the courses in practice, in which instruction is given in the principles and general rules of procedure in state and federal courts, practice courts are maintained in order to afford the student an opportunity of acquainting himself with the various steps in an orderly litigation, and of learning by actual experience to determine what proceedings to bring, how to bring them, and how to conduct causes to a final determination. The work in these courts is required. Every effort is made to reproduce the conditions of actual practice. First year students serve as parties, witnesses and jurors. Second year students serve as constables, sheriffs, clerks of the courts of record, and practicing attorneys. Third year students

serve as justices of the peace, county attorneys and in some cases as judges of the various courts of record and practicing attorneys. Three members of the faculty serve as judges at the sessions of the county and district moot courts which are held each Friday afternoon. The Supreme Court is made up of instructors and third year students.

The parties and witnesses are advised of the facts of the controversy by the instructor and the student who acts as counsel discovers the matter at issue and the testimony he may adduce in support of his contentions by consultation with the party for whom he appears and his witnesses. He then determines the form of action or proceedings, sues out and returns process, prepares pleadings and takes all steps required to bring the cause to trial. The trial is attended by an instructor, who gives personal instruction in trial procedure, preparation of instructions, verdicts, and journal entries, making motions for new trial or in arrest of judgment, settlement of bills of exceptions, supersedeas, and procedure on appeal.

Each student is required during the second year to try at least one case in an inferior court, and to take it by appeal to the district court, or two cases in an inferior court. In the third year each student is required to take part in at least two causes, one preferably at law and one in equity, in the district court, and on appeal in the supreme court. A county court is also provided to furnish practice in the probating of wills and the administration of estates. Dockets are arranged in which cases are assigned and from which announcements are made as indicated above under Practice Courts. Attendance on this course as well as the court is required.

Further practical exercises in drawing the proper papers or instruments to meet the facts of hypothetical cases are provided in the courses in pleading, in practice, and in conveyancing. The student is never allowed to lose sight of the fact that he is being fitted to practice his chosen profession.

COLLEGE OF LAW LECTURE COURSE

Lectures by prominent members of the bench and bar have been provided. The lectures are upon practical topics from the standpoint of the practitioner, and, among other subjects, will deal with patent, copyright and trademark law, preparation of causes for trial, the presentation of causes to court or jury, the examination of witnesses and other branches of advocacy, land titles, professional ethics, commercial business, collections and adjustments, the organization and management of business corporations, office economy and the selection of a library.

METHOD OF INSTRUCTION

The College of Law follows in the main the "Case" or "Source" method of teaching law. Instead of studying text-books upon which to recite, the students summarize, and prepare to expound and to comment upon in

class, the important cases to which the text writers themselves must go for the law. This resort to the sources is made under the guidance of experienced instructors who supplement the class discussion of the cases with such information as the students require to enable them to understand the cases and the topics to which the cases relate. Students are often advised, and sometimes required, to read particular text-books, to supplement the work in the cases, and whenever there is occasion to do so the instructors lecture on particular legal problems. The great aim of the class work is to increase the student's accuracy of legal perception, his ability to analyze cases and extract the right principles from them, and his power to apply those principles to such more or less complicated facts as normally arise in legal practice; and especially to get an accurate acquaintance with legal relations as underlying legal rules.

LIBRARIES

Students in the College of Law have access to various libraries, aggregating 295,205 volumes.

The College of Law Library, which contains more than 8,000 volumes of standard reference and text-books on the common law and of American and English law reports, is a branch of the University Library.

The University Library of 129,000 volumes includes the standard authorities and works of reference on international law, Roman law, jurisprudence and public law.

The State Library of 73,340 volumes at the Capitol is one of the best law libraries in the West, containing the law reports and statutes of all English-speaking jurisdictions.

The Lincoln City Library contains 40,562 volumes.

The Nebraska State Historical Society Library contains 62,000 titles

PRIZES AND HONORS

Callaghan & Company Prize. Callaghan & Company, Law Publishers, Chicago, offer a prize, consisting of a copy of the Cyclopedic Law Dictionary to the most proficient student in the course on "History and System of the Common Law." In 1915-16 awarded to Louis Uden.

Legal Bibliography Prize. To promote a practical knowledge of legal bibliography, the Dean of the College offers a prize, open to all students—any standard legal treatise, to be selected by the winner. This prize is awarded upon an examination held in the law library at the beginning of the second semester. The examination is both oral and written, embracing the principal reports, American and English, standard abbreviations and modes of citation, standard text-books, search for cases in the reports, identification of cases imperfectly cited, and use of digests. No award in 1916. Students wishing to compete must register with the Dean during the two weeks before the Christmas vacation.

Oratory. The College of Law offers a first prize of \$35 and a second prize of \$15 for the best orations to be written and delivered by the regular students of the College of Law and the College of Medicine and by regular undergraduate students who have attained junior standing in the College of Arts and Sciences. The rules and regulations governing the oratorical contest are framed by the faculty of the College of Law. It is expected that the contest will occur sometime in February. No contest in 1916.

The American Law Book Company Prize. The American Law Book Company offer as a prize for the student with the highest standing in their senior class a copy of Cyc. The competition is open to members of the second and third-year classes in the Law College. Awarded in 1916 to Otto K. Perrin.

William Jennings Bryan Prize. For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan. No award in 1916.

The Order of the Coif. The Order of the Coif, the law scholarship fraternity, the Nebraska chapter of which was established in 1904, elects not more than one-tenth of the graduating class, solely on the basis of scholarship as shown by grades attained in the required law work for the entire course. Guy C. Chambers, Otto K. Perrin, John L. Polk and Raymond A. Smith were elected in 1915-16.

ADVANTAGES AND PRIVILEGES

Courts. The College of Law has commodious quarters in the recently completed Law Building, within a few blocks of the law offices and courts. The Supreme Court, the District Court (in three divisions), the County Court and various minor courts are almost constantly in session during the school year. In addition to the various State Courts, the District Court of the United States for the District of Nebraska holds two terms in Lincoln each year. Exceptional facilities are thus afforded the student to hear the arguments of able counsel and to become acquainted with the workings of courts.

Legislature. The student has the opportunity each alternate year of attending the session of the Nebraska Legislature, where he may observe the process and forms of legislation. The course in legislation, given as a College of Law elective, brings students who take it in close touch with the work of the legislature.

General College Privileges. A student in the College of Law may, without paying additional fees, register for not more than five hours of work in the College of Arts and Sciences. Credit in the general colleges is not applied toward the degrees of those colleges, however, unless the matriculation and other fees of those colleges are regularly paid. Students taking advantage of this rule may not change their registration in the

general college or drop any of the subjects registered for therein without paying the re-registration fee of \$3. Subjects peculiarly suitable to law students are American history, argumentation, comparative government, constitutional history, debate, diplomacy, English institutional history, ethics, logic, political economy, political history, political science, public speaking, and sociology. For successful work in English courses, embracing debate, public speaking, English literature, and rhetoric one half time is allowed on law electives provided such work is not applied toward entrance credit or another degree.

Gymnasium. The gymnasium is open to students of the College of Law. It is in charge of experts in physical training, who advise each student as to the character and amount of physical exercise adapted to his case.

The College of Medicine

OFFICERS OF INSTRUCTION AND ADMINISTRATION
IN OMAHA

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

IRVING SAMUEL CUTTER, B. Sc., M. D., Dean of the College of Medicine and Professor of Biochemistry.

¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher.
(*Secretary of the Faculties.*)

FLORENCE IRWIN MCGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*)

AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology.

CHARLES WILLIAM MCCORKLE POYNTER, B. Sc., M. D., Professor of Anatomy. (*Head of Department.*)

WILLIAM ALBERT WILLARD, Ph. D., Professor of Anatomy.

JAMES DOUGLAS PILCHER, Ph. B., M. D., Professor of Pharmacology.

HAROLD E. EGGERS, B. Sc., M. D., Professor of Pathology and Bacteriology.

WILLSON ORTON BRIDGES, M. D., Professor of the Principles and Practice of Medicine and Clinical Medicine.

HAROLD GIFFORD, B. Sc., M. D., Professor of Ophthalmology and Otology.

WILLIAM FORSYTH MILROY, M. D., Professor of Clinical Medicine and Physical Diagnosis.

AUGUST FREDERICK JONAS, M. D., Professor of the Practice of Surgery and Clinical Surgery.

HARRY MONROE McCLANAHAN, A. M., M. D., Professor of Pediatrics.

BYRON BENNETT DAVIS, A. B., M. D., Professor of the Principles of Surgery and Clinical Surgery.

FRANK STYLES OWEN, M. D., Professor of Laryngology and Rhinology.

ANDREW BARTHOLOMEW SOMERS, M. D., Professor Emeritus of Obstetrics.

SOLON RODNEY TOWNE, A. M., M. D., Professor of Hygiene and State Medicine.

¹JOSEPH MELANCHTHON AIKIN, M. D., Professor of Nervous and Mental Diseases.

PALMER FINDLEY, A. M., M. D., Professor of Gynecology and Operative Obstetrics.

¹Resigned.

- ALFRED SCHALEK, A. M., M. D., Professor of Dermatology and Syphilology.
- LEROY CRUMMER, B. Sc., M. D., Professor of Clinical Medicine.
- JOHN PRENTISS LORD, M. D., Professor of Orthopedics.
- JOHN EDWARDS SUMMERS, M. D., Professor of Clinical Surgery.
- G. ALEXANDER YOUNG, M. D., Professor of Nervous and Mental Diseases.
- AMOS W. PETERS, A. M., Ph. D., Assistant Professor of Biochemistry.
- ARTHUR CHARLES STOKES, B. Sc., M. D., Associate Professor of Clinical and Experimental Surgery.
- CHARLES WHITNEY POLLARD, A. B., M. D., Assistant Professor of Obstetrics.
- JAMES SAMUEL GOETZ, M. D., Assistant Professor of Therapeutics.
- BURTON WHITFORD CHRISTIE, B. Sc., M. D., Assistant Professor of Pediatrics.
- RODNEY WALDO BLISS, B. Sc., M. D., Assistant Professor of Clinical Medicine and Physical Diagnosis.
- ROBERT RUSSELL HOLLISTER, A. B., M. D., Assistant Professor of Surgery.
- CHARLES REX KENNEDY, M. D., Assistant Professor of Surgery in charge of Genito-Urinary Diseases.
- JOHN MONROE BANISTER, A. B., M. D., Assistant Professor of Tropical Medicine.
- CHARLES CAMPBELL MORRISON, A. B., M. D., Assistant Professor of Surgery.
- EDSON LOWELL BRIDGES, M. D., Assistant Professor of Clinical Medicine.
- ALDIS ADELBERT JOHNSON, Ph. B., M. D., Assistant Professor of Clinical Pathology and Superintendent of Dispensary.
- GEORGE MOGRIDGE, M. D., Lecturer on Arrested Development of the Mind. Glenwood, Iowa.
- JOHN J. KEEGAN, A. M., M. D., Instructor in Anatomy.
- JOHN TENNYSON MYERS, A. B., M. S., Instructor in Bacteriology.
- ALFRED OLAF PETERSON, A. M., M. D., Instructor in Internal Medicine.
- HENRY BASSETT LEMERE, M. D., Instructor in Ophthalmology and Otology.
- ERNEST TIBBETS MANNING, M. D., Instructor in Pathology.
- WILLIAM PENALUNA WHERRY, M. D., Instructor in Laryngology and Rhinology.

- CHARLES AARON HULL, M. D., Instructor in Surgery.
- JAMES McDOWELL PATTON, A. M., M. D., Assistant Professor of Ophthalmology and Otology.
- WILLIAM NANCE ANDERSON, B. Sc., M. D., Instructor in Physical Diagnosis.
- HOWARD BROWNLEE HAMILTON, M. D., Instructor in Medicine.
- JOHN BEEKMAN POTTS, M. D., Instructor in Ophthalmology and Otology.
- WILLIS HARVEY TAYLOR, B. Sc., M. D., Instructor in Obstetrics.
- CARL HARDIN BALLARD, M. D., Instructor in Dermatology and X-ray Diagnosis.
- CHESTER HILL WATERS, B. Sc., M. D., Instructor in Gynecology.
- ROBERT D. SCHROCK, A. B., M. D., Instructor in Orthopedic Surgery.
- FRANK MATTHEW CONLIN, M. D., Instructor in Medicine.
- CHARLES CREIGHTON TOMLINSON, M. D., Instructor in Dermatology.
- GEORGE PRATT, B. Sc., M. D., Instructor in Medicine.
- AMOS THOMAS, LL. B., Instructor in Medical Jurisprudence.
- JOHN CLYDE MOORE, JR., B. Sc., M. D., Instructor in Medicine.
- HARRIET WILSON, A. B., Librarian of Medical College Library.
- CLARENCE RUBENDALL, B. Sc., M. D., Clinical Assistant in Laryngology and Rhinology.
- HARRISON ALONZO WIGTON, B. Sc., M. D., Clinical Assistant in Pediatrics.
- JOHN RUDOLPH NILSSON, M. D., Clinical Assistant in Surgery.
- ARCHIBALD ROY KNODE, M. D., Clinical Assistant in Ophthalmology and Otology.
- ADOLPH BERNARD LINDQUEST, A. B., M. D., Clinical Assistant in Ophthalmology and Otology.
- LYNN THOMPSON HALL, B. Sc., M. D., Clinical Assistant in Medicine.
- JOHN FAY HYDE, M. D., Clinical Assistant in Surgery.
- LOUIS EDWIN MOON, M. D., Clinical Assistant in Surgery.
- WILLIAM FREDERICK CALLFAS, C. M., M. D., Clinical Assistant in Ophthalmology.
- CHARLES STANTON JAMES, M. D., Clinical Assistant in Ophthalmology.
- CLYDE AUGUSTUS ROEDER, M. D., Clinical Assistant in Surgery.
- BESSIE B. RANDALL, R. N., Head Nurse in Charge of Free Dispensary.
- EDITH M. PULS, R. N., Assistant Nurse in Charge of Free Dispensary.

RALPH DENNIS GREEN, A. B., Assistant in Biochemistry.
 E. LYNN MACQUIDDY, A. B., Fellow in Anatomy.
 EMELIA BRANDT, Ph. G., Dispensary Pharmacist.
 ELVIN LOUIS SEDERLIN, A. B., Assistant in Anatomy.
 CARL FREDERICK RUSCHE, Assistant in Physiology.
 NIELS NEDERGAARD, A. B., Library Assistant.
 MARGARET FLAVILLA QUINLAN, Stenographer and Clerk.
 IRENE R. BOSTWICK, Clerical Assistant.
 ROBERT GORDON, Technical Assistant in Pathology and Bacteriology.
 JOSEPH KOVARIK, Technical Assistant in Anatomy.
 JOE GOLDSTONE, Technical Assistant in Pharmacology.

Committees of the Faculty

Advanced Standing and Delinquency—Dr. Poynter (Chairman), Dr. Willard, Dr. Cutter.
 Clinical Teaching—Dr. Cutter (Chairman), Dr. Findley, Dr. Jonas, Dr. W. O. Bridges, Dr. Crummer.
 Course of Study, Catalog and Schedule—Dr. Guenther (Chairman), Dr. Peters.
 Scholarships and Research Prizes—Dr. Gifford (Chairman), Dr. J. E. Summers, Dr. Milroy.
 Student Activities—Dr. Johnson (Chairman), Dr. Christie, Dr. Anderson.
 Convocations—Dr. Bliss (Chairman), Dr. Patton, Dr. Lord.
 Library—Dr. Stokes (Chairman), Dr. Gifford, Dr. Davis.
 Summer Session—Dr. Willard (Chairman), Dr. McClanahan, Dr. Kennedy.
 Graduate Work—Dr. Eggers (Chairman), Dr. Poynter, Dr. Pilcher.
 Dispensary—Dr. E. L. Bridges (Chairman), Dr. Johnson.
 Publications—Dr. Wherry (Chairman), Dr. Aikin, Dr. Hollister.

OFFICERS OF INSTRUCTION
IN LINCOLN

RUFUS ASHLEY LYMAN, A. M., M. D., Dean of the College of Pharmacy and Professor of Physiology and Pharmacology.

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology.

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics.

FRANKLIN DAVIS BARKER, Ph. D., Professor of Medical Zoology and Parasitology.

BENTON DALES, Ph. D., Professor of Chemistry.

RAYMOND JOHN POOL, Ph. D., Professor of Botany.

JAMES FRANKLIN STEVENS, A. M., M. D., Professor of Introductory Medicine.

GEORGE BORROWMAN, Ph. D., Associate Professor of Chemistry.

CLARENCE JACKSON FRANKFORTER, A. M., Assistant Professor of Chemistry.

ELSIE DAY, A. B., Ph. G., Assistant Professor of Pharmacognosy.

THE COLLEGE OF MEDICINE

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and had experienced strong and steady growth. As an integral part of the University, and gathering strength from that connection, the College has gone rapidly forward. The requirements for entrance have been raised step by step, keeping pace with those of the better class of medical colleges, and now are on a plane generally recognized as the highest practical for colleges, the primary aim of which is the training of practicing physicians.

The work of the first two years up to 1913 was carried on at Lincoln. There the laboratories of the University, directed by well trained and experienced teachers, who devoted their entire time to instruction, and with equipment adequate for thoro instruction in the laboratory subjects of the medical course, furnished a preparation which was a substantial basis for the clinical work. The work of the last two years was done in Omaha, where are afforded clinical facilities more than ample for all purposes of undergraduate medical instruction.

The State Legislature of 1909 appropriated funds with which to purchase a site for the medical campus in Omaha and the Legislature of 1911 voted another appropriation of \$100,000, for a laboratory building on this campus.

The Legislature of 1915 appropriated the sum of \$150,000 for the erection of a teaching hospital on the campus of the College of Medicine at Omaha. This building, now complete, will be fully equipped and ready to receive patients August 1, 1917. The building thus provided will be strictly a teaching hospital. One hundred fourteen beds divided among various services will be available for clinical teaching.

STANDING

The College of Medicine meets the requirements of the most exacting state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. The Royal Colleges of Physicians and Surgeons in England has added the University of Nebraska to the short list of American institutions whose Graduates in Medicine, may on production of the required certificate of study, be admitted to the final examination before the Examining Board in Medicine, Surgery and Midwifery, which places them on the same basis as graduates of the best English colleges. This recognition is of especial interest to those students who are planning to take up work in foreign lands as medical missionaries.

METHODS OF INSTRUCTION

The course of study in medicine covers six years, there being in each of the years thirty-four weeks of class work exclusive of all registration and examination days. During the first four years those laboratory sciences are pursued which form the basis for the clinical studies of the last two. The objective method is followed, not only in the laboratories, but also in the clinical instruction, where constant reference is made to the facts acquired from laboratory work in the fundamental branches. Emphasis is in all cases placed on individual effort on the part of the student, of whom is required work as independent as is consistent with the further demand that he thoroly cover the field.

The course embraces also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in laboratory and clinic. Frequent quizzes and examinations test the student's progress in each line of work.

The College affords unique opportunities for the most thoro instruction. The moderate size of the classes insures close contact between student and instructor, which is of the utmost importance in securing an exact knowledge of the fundamental branches. The sectional method of clinical work also brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroly and at short range, and allows him to secure a very unusual amount of bedside instruction.

The student is urged to add to his preparation an additional year taken as an interne in some hospital, or spent in some laboratory, and provision is made whereby the student may secure on the completion of this year a second degree—Doctor of Medicine *cum laude*. This additional clinical year is optional.

ADMISSION TO THE UNIVERSITY AND COLLEGE OF MEDICINE

Credentials which are accepted towards admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to

freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated below is essential.¹

Required Subjects	Points
English.....	4
History (European) (a).....	2
Language (foreign) (b).....	6 to 4
Mathematics (algebra and geometry) (b).....	4 to 6
Science (laboratory).....	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school.....	12
Total.....	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with minimum of four points in either. Greek or Latin is recommended.

ADMISSION TO ADVANCED STANDING

Admission to the College of Medicine may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present sixty hours² of college work, including physics, 6 hours; zoology, 6 hours (including vertebrate anatomy); chemistry, 10 hours; German, 10 hours and 30 entrance points.³ For conditional admission sixty hours of college work as above stated, and a minimum of 28 entrance points, from one of the approved sources given above under "Admission by Certificate," and in the subjects for the amount

¹Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours and only in chemistry, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French, Greek and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

²An "hour" is given for each one hour recitation or lecture which prepares for one hour of preparation; or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

³An entrance point is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

indicated above under "Entrance Subjects" are required. Students are permitted to enter this college deficient 9 hours of the above college work if the character of their preparation is such that during the first year and the following Summer Session, in which is permitted registration for a maximum of 9 hours, all deficiencies can be removed and the work of the first year in the College also be completed. Work from another institution presented to meet the above requirement of college work will be evaluated as indicated below.

Applicants for admission from other Universities or Colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty-six of the two hundred and four hours required for graduation.

In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the M. D. degree to holders of a bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college.

The granting of subject credit is at the discretion of the head of each department, subject to the meeting of such conditions or the passing of such examinations as he may with reason impose. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the head of any department has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the student of this College, and in case the work

is not equal to such requirement the deficiency stands against the student as a "condition" till removed.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

COMBINED ACADEMIC AND MEDICAL COURSES

COURSE LEADING TO THE DEGREES OF B. SC. AND M. D.—By the use of the laboratory subjects of the third and fourth years of the medical course as electives in his collegiate course the student is enabled to receive, at the end of four years, the degree of Bachelor of Science and at the end of six years that of Doctor of Medicine. This, however, can only be accomplished by following exactly the course as outlined below, substitution being permitted rarely and under conditions where insistence upon the strict enforcement of the requirements would cause evident injustice. Any student failing to meet these requirements can secure his B. Sc. degree only by meeting the group requirements of the College of Arts and Sciences.

ORDER OF SUBJECTS IN THE SIX-YEAR COMBINED COURSE

	1st Semester	2d Semester
FIRST YEAR	Hours	Hours
Chemistry 1, 2.....	3	3
Zoology 13, 14.....	3	3
Rhetoric 1, 2.....	2	2
German.....	5	5
Pharmacy 26.....		2
History of Medicine.....		
Electives.....	2	
Military Science (men), Physical Education (women)	1	1
	16	16
SECOND YEAR		
Physics 11 12.....	3	3
Botany 1, 2.....	3	3
Chemistry 8, 25.....	4	2
Zoology 25, 22.....	3	5
Electives.....	3	3
Military Science (men), Physical Education (women)	1	1
	17	17

Students entering without conditions but without two entrance points in chemistry take Chemistry D—4 hours—in the first semester of the first year and Chemistry 1 and 2—5 hours—in the second semester. Rhetoric 1 and 2 are postponed till the second year.

All students spending three years at Lincoln are urged to take psychology (Philosophy 1 and 2) in the third year of their course.

Students registered in the College of Pharmacy for degrees in pharmacy but who wish to study medicine later, may arrange their courses so they can complete the work required for entrance to the study of medicine while pursuing the courses in pharmacy.

COURSE LEADING TO THE DEGREES OF A. B. AND M. D.

A student registering for the degree of Bachelor of Arts may arrange a course similar to the course leading to the degrees of B. Sc. and M. D. by the same use of his electives, but he will find it necessary to spend seven years to meet the requirements for the Bachelor of Arts degree and to secure, at the same time, the scientific training required for the degree in medicine.

A student entering this University from another in which is offered a six-year combined course substantially equivalent to the one here outlined, may be registered in this course, on presentation of properly authenticated credentials showing the satisfactory completion of all requirements imposed by the institution from which he comes up to the time of his transfer.

COLLEGE DEGREES BY ARRANGEMENT WITH AFFILIATED COLLEGES

By an arrangement with the faculty of Nebraska Wesleyan University and of Doane College students who have completed the two-year pre-medical College Course offered by these institutions will be granted the B. Sc. degree by the respective faculties upon completion of the third and fourth years of Medicine offered by the University of Nebraska.

A similar arrangement is pending with other colleges of which definite announcement will be made later.

THE UNIVERSITY YEAR

The regular session of the University embraces thirty-nine weeks, beginning the second Wednesday after the first Monday in September, and is divided into a first and second semester. A summer session of eight weeks immediately follows the close of the second semester class work. Instruction is offered from September to August.

Registration. Certain days at the beginning of each semester are allowed for registration. To promote prompt registration, a fee of \$3.00 is charged any student who, unless excused by the Dean, seeks to register outside of these days. A like fee of \$3.00 is charged for re-registration when made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration. A student taking the college work required for entrance to the College of Medicine matriculates and registers in the College of Arts and Sciences until the necessary amount of college work is completed. A student taking the combined six-year course for the degrees of Bachelor of Science and Doctor of Medicine matriculates and registers only in the College of Arts and Sciences during the first two years of his work. He continues to register in the College of Arts and Sciences during the next two years, or until he receives his B. Sc. degree; but he must also matriculate and register in the College of Medicine at the beginning of the third year's work and must register regularly thereafter in the College of Medicine. If he is a candidate for the A. B. degree, he must begin to register also in the College of Medicine not later than the beginning of the fourth year of his course, as at least four years' registration in a college of medicine is required of all who receive the M. D. degree. No regular student is registered for less than twelve (12) hours a semester without the Dean's permission, nor under any condition for more than eighteen (18) hours. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the Dean. Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration. Any change in a student's residence must be immediately reported to the Dean.

REQUIREMENTS FOR THE SATISFACTORY COMPLETION OF A COURSE

The satisfactory completion of a course will be determined by the instructor in charge of the subject thru examinations and other records of a student's work. In order to pass in a course a student must comply with the following requirements:

1. He must have attended at least 80 per cent of the scheduled lecture and recitation appointments in the course, and 85 per cent of all scheduled laboratory hours.

2. He must receive a final grade of at least 70 per cent in third and fourth year subjects, and at least 75 per cent in fifth and sixth year subjects.

A course, which for a good reason has not been completed, may, if of passing grade, be marked incomplete, "I." This "I" must be removed within one year otherwise the "I" becomes a condition, "C."

REMOVAL OF DELINQUENCIES

A student who does not pass a course, provided the final grade is not below 60 per cent is "conditioned" in that course and is entitled to a re-examination at the next supplementary examination period. For a supplementary examination a fee of \$1 in each subject shall be paid. If by reason of illness or other extraordinary circumstances he does not appear at the time set for supplementary examinations, the faculty may by vote permit him a special examination. For such special examination a fee of \$2 in addition to the ordinary supplementary examination fee shall be paid.

A student conditioned in one or more lecture, recitation or laboratory courses at the end of either semester, shall be allowed until the following September supplementary examinations for the removal of his condition.

If a student falls below 60 per cent, or if he does not pass the supplementary examination he is "failed" in the course, and shall not have the privilege of a re-examination until after repeating the course in which he failed.

With the permission of the instructor in charge, attendance of vacation courses in this school or in courses at other institutions or private instruction by a member of the teaching staff may be accepted in place of attendance at the regular classes.

If a student fails, after repeating a course as provided in the foregoing paragraph, then he shall have no further privileges of instruction or examination in this school, unless by special vote of the faculty.

No student coming from another school will be allowed any privileges in this school which would have been denied him in the school which he leaves.

Absence or Withdrawal. The Dean of the College of Medicine is the Adviser of all students in the College of Medicine. He has a consultation hour, when students may call seeking advice touching their work. A leave of absence for a short time may be granted a student by the Dean of his College. This is merely a justification for absence and not an excuse from

any work. Students not previously excused must make request for excuse for absence within two weeks from the time the absence ceases. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Dean grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is granted only under the following conditions:

1. The candidate must be twenty-one years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission.
4. He must have pursued the study of medicine for at least four years and must have passed the necessary examinations and have received credit for at least four full years of instruction at medical colleges in good standing. The last year he must have taken in this institution.

GRADUATE WORK

Graduate work of two types is offered in the College of Medicine.

(1) Advanced study and research in one or more of the laboratory departments by students holding baccalaureate degrees from this institution or from some other university or college. Such study may lead to the degree of Master of Arts or of Doctor of Philosophy and may be carried at the same time in a lengthened period of residence as part work in the regular medical schedule. The departments offering this work are included in the Graduate College of the University, the general requirements of which must be met by all candidates for these degrees.

(2) Work of a clinical character by graduates in Medicine serving internships or by graduates in Medicine working under direct faculty supervision. Such work may lead to the degree of Doctor of Medicine *cum laude* under the following conditions laid down by the faculty of the College of Medicine; the candidate must apply at the beginning of his internship or at least one year before he expects to come up for such degree; his work shall consist of original clinical data or experimental work together with general reading and critical survey of the literature bearing on his special subject, and shall be embodied in a typewritten thesis which, if accepted, shall be deposited in the Medical College library; the subject and preliminary outline of the work shall be approved by the faculty committee on graduate study, and thruout the year the work shall be under the supervision of two advisers appointed by the committee with the condition that one shall be a member of the laboratory faculty and the other (if

candidate is an interne) the chief of staff of the hospital in which interne is serving; the final acceptance of the thesis shall be by unanimous vote of the faculty and only after its recommendation by the advisory committee and after an opportunity for its inspection by all members of the faculty.

FEES AND EXPENSES

All fees excepting the diploma fee are payable in advance, to the secretary of the College. No fees can be refunded to a student after the beginning of the fourth week from the date of his registration, save for causes beyond the student's control; in the latter case the refund can only be made upon written application to the Dean. The application must state the reason and be presented at the time of withdrawal from a course or the college. The scheduled fees in the College of Medicine are as follows.

Matriculation fee (charged once only for each degree).....	\$5.00
Diploma fee.....	5.00
Diploma fee, in absentia, additional.....	10.00
Diploma, " <i>cum laude</i> ," fee.....	10.00

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

THIRD YEAR

Tuition, first semester	\$65.00
Tuition, second semester	60.00
Breakage fee.....	10.00

FOURTH YEAR

Tuition, first semester.....	\$60.00
Tuition, second semester.....	60.00
Breakage fee.....	10.00

FIFTH YEAR

Tuition, first semester.....	\$55.00
Tuition, second semester.....	55.00
Incidental fee.....	10.00

SIXTH YEAR

Tuition, first semester.....	\$55.00
Tuition, second semester.....	55.00
Incidental fee.....	10.00

(Unused portion of breakage fee is returnable.)

For elective courses requiring laboratory space, apparatus and material, an extra fee will be charged. This fee will be by agreement between the

student and the head of department, and is based on the amount of material required. Special course fees or the fees of students taking part-time work shall be pro-rated on the basis of the number of hours of work. In no case shall the fee be more than fifteen cents for each hour of work. The minimum fee, however, is \$10.00. Breakage in the laboratory and damage to the College property will be charged to the individual or class responsible. In case the responsibility for the damage cannot be placed it will be charged to the class pro-rata.

EXPENSES

Board may be obtained in the vicinity of the College building at an average of \$4.00 per week. Comfortable rooms for individuals cost from \$6.00 to \$10.00 a month. Students rooming together may by this means obtain comfortable rooming quarters at approximately \$7.00 per month each. The average total cost of the students for the school year, exclusive of books and instruments, but including all fees, is between \$385 and \$400. Many students expend more than this, some expend much less. Students should provide an allowance of \$50 per annum for books and instruments.

The Young Men's Christian Association offers to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the Association Building. In a city the size of Omaha there are many opportunities for the students to defray a part of their expenses. The College of Medicine does not, however, guarantee employment. Thru the Young Men's Christian Association, the Omaha Commercial Club and other agencies, employment has been and will continue to be obtained for a certain number of students.

GENERAL AND DEPARTMENTAL STATEMENTS

The ground floor of the laboratory building containing a large locker room with a steel locker for each student, adjoins a lounging room and a room provided with shower baths. The women students have also been provided with an attractive rest room with cloak rooms adjoining.

This floor also accommodates the private laboratories of the department of pharmacology, the operating room for animals, postmortem and preparation rooms, room-size incubator and refrigerator, the office of the College paper, "The Pulse," and various store rooms.

Direct current for arc lights for photomicrography and the projection lanterns is provided by a motor generator set installed in the engine room.

LABORATORY FACILITIES

ANATOMY

The Department of Anatomy occupies the entire fourth floor of the laboratory building. The ventilation is perfect and the lighting is ideal,

being supplied by side windows and large north sky-lights. The gross anatomy is carried on in sections in unit rooms designed to accomodate eight students. This arrangement avoids the noise and distraction incident to the grouping of large numbers of students together. Each unit room has an asphalt floor fitted with drain to permit flushing and a sanitary wash-bowl with hot and cold water supply; large black boards, movable dissecting tables and study tables complete the equipment. The State provides adequate material for dissecting purposes and the osteological collection provides each student with the loan of a half skeleton.

The laboratory for microscopical anatomy is planned with special reference to the student's convenience. Each student has an individual desk which faces the north light and is provided with reagent drawers and microscope locker; gas and artificial light are available at each desk when needed. A large individual loan collection in both histology and embryology conserves the laboratory time and insures the opportunity for study of many preparations which are not available for routine work. Binocular dissecting microscopes are used to bridge the gap between macroscopic and microscopic study.

Adjoining the general laboratories of the department are the offices of the department, research and technic rooms, a photographic dark room and a quiz room provided with a projection lantern.

The equipment in special preparations, models and charts is very complete and the library possesses all of the important journals on anatomy and allied subjects.

BIOCHEMISTRY

The Department of Biochemistry occupies part of the south wing of the third floor. The students' laboratory is equipped with soapstone-top chemical desks and hoods communicating with the general air exhaust of the building operated by a powerful blower. A balance room is provided for exact weighing. A room is equipped for combustion calorimetric and Kjeldahl work. A special research laboratory, equipped with apparatus, such as colorimeter, thermostat, barometer, automatic burettes, electric stoves, etc., is available for advanced work.

PHARMACOLOGY

For the student work in experimental pharmacology this department shares the large student laboratory of physiology. Ample equipment is provided. The chemical and pharmaceutical work of the student is carried on in the chemical laboratory. The equipment of the department includes a materia medica outfit for student study. Satisfactory private laboratories for the experimental work of the department are provided and are well equipped for work in progress.

PATHOLOGY

The department occupies all of the main floor except the space used by the administrative offices of the College. The lecture room on this floor is used for clinical lectures and recitations as well as by the department. There are two large teaching laboratories, one for the bacteriology and general pathology of the sophomore year and one for the clinical and special pathology of the junior year. Each student is supplied with a microscope, with oil immersion objective and with such other apparatus and materials as are needed for the complete work of the various courses.

PHYSIOLOGY

The laboratories of physiology consist of a main laboratory, 20 by 52 feet, giving ample accommodation to thirty students at any one time. A separate table with lockers and drawers is provided for each pair of students. Adjoining the main laboratory is a room, 20 by 20 feet, for mammalian experimentation which will accommodate eight students. For private work, for research, for special experiments and for other purposes there exists a series of seven additional rooms having a combined floor space one and one-half times that of the main laboratory. They serve as offices and private laboratories for the department staff. One is a work shop, another an instrument room and one is used for photographic work. All the rooms are supplied with hot and cold water, gas, electricity, heat, ventilation, etc.

The equipment for carrying on the work consists of the ordinary class apparatus, kymographs, induction coils, moist chambers, levers, tambours, clocks, signals, animal boards, circulation schemes, electrometers, manometers, rheocords, tuning forks, glass-ware, chemicals, drugs, etc.

The more important of the special pieces of apparatus are a Jaquet and Dudgeon sphygmograph, Erlanger and Faught sphygmomanometers, hemacytometers and hemoglobinometers, Beckmann apparatus for freezing-points, Staudinger balance, Weston mil-ammeter and millivoltmeter, an artificial respiration machine, motors, centrifuge, gas measuring apparatus, mercury-pump, reflectoscope, mycardiograph, ophthalmometer, etc. Particularly worthy of mention are a Cambridge string-galvanometer and appurtenances for electrocardiographic work and a Rivett eight-inch precision lathe.

A conference room for class quizzing, etc., is shared with other departments.

CLINICAL FACILITIES

THE UNIVERSITY HOSPITAL

The University Hospital provided by the Legislature of 1915 will place the clinical teaching on a strictly University basis. Correlation between

clinical departments and between the clinical and laboratory branches of teaching will be made possible. A sufficient number of beds has been provided to assure a wide variety of cases. The entire control of the hospital rests with the Board of Regents, and it will be their object to provide the most efficient care for all worthy sick who may be received as patients.

University Free Dispensary

Clinical cases come to the College of Medicine from over the state of Nebraska and from western Iowa, tho the Free Dispensary draws by far the larger number. This is particularly true since the College of Medicine has become an integral part of the University of Nebraska and is endeavoring in a measure to realize its obligation to the State. The hospitals mentioned in this catalog, affiliated with the College of Medicine, have shown a most gratifying willingness to receive these patients thus rendering the cases available for clinical teaching. The College of Medicine of the University acknowledges its obligation to the affiliated hospitals of Omaha.

The University Free Dispensary is located at 1716 Dodge street, in the center of the thickly populated downtown district. This dispensary was equipped during the summer of 1913, and opened for the reception of patients, September 15, 1913. Separate services were established in the following subjects: internal medicine; surgery; eye, ear, nose, throat; pediatrics; gynecology, obstetrics; dermatology and genito-urinary; drug room and laboratory. Each service has its own rooms and equipment, and the entire dispensary is in charge of a trained nurse and an assistant. In addition to the regular dispensary services there has been established an out-patient department which is rapidly growing in importance. Thru calls received from the Visiting Nurses' Association and the Associated Charities of the City of Omaha, many out-patients are cared for. These calls are answered first thru the department of medicine and then assigned to other departments as the case demands. The University has access to the Union Pacific Dispensary where much valuable experience is gained in the treatment of fractures and minor injuries. The total number of dispensary cases cared for during 1915 was 12,545, a monthly average of 1,045, as compared with a monthly average of 867 for the preceding year.

The Wise Memorial Hospital

This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick and iron construction, and is modern in every respect. There are eighty beds, a separate obstetric and children's ward, and two well equipped operating rooms. Two internes are chosen from the graduating class each year for a service of one year. The laboratory is equipped with the apparatus necessary for clinical examinations. The location is within the down-town hospital district. The percentage of charity days in the Wise hospital is high, insuring a large amount of clinical material.

The Nebraska Methodist Hospital

The Nebraska Methodist Hospital, received 2,784 patients last year, of which number fully one-third were free patients. In this hospital the University of Nebraska College of Medicine has exclusive clinical privileges. The hospital contains 140 beds and is a new, commodious, fire-proof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement. It contains an operating pavilion and amphitheater seating about 100 students and is furnished with the best appliances known. At this hospital weekly clinics are held thruout the session for the advanced class in surgery, internal medicine, ophthalmology, otology and neurology. From the graduating class four internes are selected for a year's service each, with provisional opportunities for extended work.

The Child-Saving Institute

The Child-Saving Institute situated across the street from the College of Medicine occupies a modern building erected on land purchased by the University. Its clinical privileges belong exclusively to the College of Medicine and are invaluable to the Department of Pediatrics for work in clinical pathology and the general management and feeding of infants. There are from sixty to seventy-five children constantly at the Institute and all are under the direct supervision of the Department of Pediatrics.

The Immanuel Hospital

In the Immanuel Hospital this College has exclusive clinical privileges. The hospital is well arranged and thoroly equipped for the application of scientific methods to the treatment of disease. The hospital has 120 beds housed in two buildings, one of which is new and thoroly modern. The hospital laboratory is open to students detailed to work out clinical cases. Two operating rooms provide for simultaneous clinics in general and special surgery. Two internes are selected from each graduating class to serve one year. Opportunity is given them for special research work.

The Douglas County Hospital

The Douglas County Hospital, which is located within ten minutes' walk of the College building, cost \$200,000 and accommodates over 300 patients. The hospital includes a maternity pavilion, an insane department and there has lately been added a pavilion for the modern treatment of cases of tuberculosis. This institution is in reality the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this college have exceptional opportunities

for direct bedside instruction in all departments. Regular clinics are held weekly in surgery, medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians are appointed each spring for a term of one year.

The Clarkson Memorial Hospital

The Clarkson Memorial Hospital, a new modern building, located at Twenty-first and Howard streets was occupied in the spring of 1909. It is a thoroughly modern hospital building, and has seventy beds and two operating rooms. The hospital affords opportunities for two internships. Clinics are held in gynecology, obstetrics, surgery and medicine.

The Swedish Mission Hospital

The Swedish Mission Hospital located at Twenty-fourth and Pratt streets, has a capacity of forty-five beds. The operating room has recently been remodeled and is modern in every way. A well equipped laboratory is at the disposal of the staff. An X-ray apparatus has been installed, and is used for diagnostic and therapeutic purposes. Special medical and surgical clinics are held here by appointment. Two internes are appointed each year from the graduating class.

The City Emergency Hospital

The City Emergency Hospital located at 912 Douglas street contains fifty beds and is used primarily for contagious diseases. Thru the City Health department, the students in medicine and in pediatrics are enabled to study carefully a large variety of cases of scarlet fever, erysipelas, measles and diphtheria. Smallpox cases are seen at the Isolation Hospital, also under City control. Clinics are held at these institutions whenever desired.

CLINICAL CLERK SERVICE

Beginning with September, 1914, the senior class, in sections, was placed on clinical clerk service in several hospitals. This service is in addition to the scheduled clinics. The seniors perform the work of the interne while on service and have his assistance and co-operation as well as the direct oversight of the attending staff members. Clinical clerk services rotate in the various hospitals—four months are required of each senior.

HOSPITAL APPOINTMENTS

The Glenwood Institution for Feeble Minded Children affords a salaried internship for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed each year. The following internships

are filled exclusively from the graduating class of the College of Medicine for a service of one year: four at the Nebraska Methodist Hospital; two at the Immanuel Hospital; two at the Clarkson Memorial Hospital; two at the Wise Memorial Hospital; and one at the Swedish Mission Hospital.

Graduates of the College secure positions each year in high grade hospitals in other states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions. The proportionate number of these positions open to the College will be seen to be far beyond that open to the majority of medical colleges. Under present conditions all capable students desiring hospital training may obtain the inestimable advantage of a year's hospital service before entering upon private service.

PUBLIC HEALTH

The College of Medicine as a state institution recognizes its duty to the state in all matters pertaining to the public health. The College stands ready to supply expert advice in co-operation with the state and local departments of health on general health conditions within the state. From time to time bulletins on general health topics, epidemic diseases, etc., are issued. Members of the faculty of the College of Medicine are frequently called upon and will respond whenever possible for addresses on medical subjects which are of general interest. These addresses will be available for Teachers' Associations, Women's Club Meetings and the like.

The University College of Medicine is keenly alive to the possibilities which lie within the general theme "Conservation of Public Health" and every effort is made to bring important advances along the lines of better living before the people.

BULLETINS ON PUBLIC HEALTH

The Conservation of Public Health Series is issued quarterly by the College of Medicine. These issues consist of bulletins on public health topics and so far have related to the Hygiene of the Child. Titles of the bulletins issued are as follows:

- Number 1. Hints on Home Nursing for Babies.
- Number 2. Everyday Facts about Tuberculosis, Typhoid, and Cancer.
- Number 3. Hygiene of the Child—Colds, Whooping-cough, Measles.
- Number 4. Hygiene of the Child—Eyes, Ears, Nose.
- Number 5. Hygiene of the Child—Scarlet Fever, Diphtheria.

Copies of these bulletins will be sent to any address upon request.

LIBRARIES AND SOCIETIES

The College of Medicine Library, in Omaha, contains about 12,000 volumes particularly strong in those scientific lines wherein lie the last four years' work of the student of medicine. There is included a collection of text books covering the entire range of medical science. This does not obviate the necessity of students having their own text books, but offers opportunities for additional reading and study in subjects in which they are specially interested. A splendid collection of periodical literature is also on file. One hundred and thirty standard scientific periodicals are on the regular subscription list. There are also about 10,000 classified medical pamphlets, theses and reprints.

As additional sources of medical information may be mentioned the medical library of the Omaha-Douglas County Medical Society of 2,000 volumes and the library of the State Medical Society consisting of approximately 1,500 volumes of which the College of Medicine is custodian.

The University Library, in Lincoln, containing over 111,000 volumes is freely accessible to students and faculty in Omaha. Books may be withdrawn at any time upon demand. Likewise thru the University librarian at Lincoln it is possible for short periods to draw upon the resources of the John Crerar Library of Chicago or the Surgeon General's Library at Washington. The State Library of 85,000 volumes at the State Capitol and the Nebraska State Historical Society Library of 60,000 volumes include valuable medical works in certain lines; series of public documents such as reports of state boards of health and of state hospitals and other institutions.

The Alumni Association of the University of Nebraska College of Medicine maintains an active organization with headquarters in Omaha. The Association numbers about five hundred members. The officers are Dr. W. N. Anderson, President; Dr. W. L. Douglas and Dr. I. Trostler, Vice-Presidents; and Dr. Roy A. Dodge, Secretary and Treasurer.

The Alumni Association has general charge of the Clinical Review Week held at the College of Medicine in Omaha during October of each year.

Medical Student Fraternities. Nu Sigma Nu, Phi Rho Sigma and Phi Chi have active chapters and each maintains a chapter house.

The Medical Sorority is Nu Sigma Phi.

Alpha Omega Alpha. Nebraska Alpha Chapter of Alpha Omega Alpha, the medical honorary fraternity, is located at the University of Nebraska College of Medicine. Election to membership in this society occurs at the end of the first semester, sixth year, and is based upon the scholarship record of the last four years of the medical course.

Pre-Medical Society. A large pre-medical society has existed for a number of years among the students in the pre-medical courses at Lincoln. This society meets monthly for an informal evening at which time addresses

are made by members of the faculty. Usually some member of the clinical faculty from Omaha is in attendance.

Clinical Review Week. A week of review clinics was inaugurated in the fall of 1910 and has since been an annual function of the Alumni Association and the College of Medicine. The attendance among the Alumni usually exceeds one hundred. The forenoons are devoted to clinics and the afternoons to round-table discussions. The value of this review week to the busy practitioner can hardly be over estimated.

Convocations. During the year 1916-1917 the Convocation Committee arranged a series of addresses by prominent medical men. Those scheduled for 1916-1917 included the following:

Dr. John F. Binnie of Kansas City—"Preparation for the Study of Medicine."

Prof. L. H. Pammel, Ames, Iowa—"Botany and Its Relation to Medicine."

Dr. Mortimer Herzberg, State Laboratory of South Dakota—"State Sanitation."

Dr. F. A. Long, Madison, Nebraska—"The Ideal Physician."

Dr. J. P. Sedgwick, University of Minnesota—"Infant Feeding."

Dr. Charles J. Rowan, University of Iowa—"Bone Surgery."

Dr. H. J. Prentiss, University of Iowa—"The Position of the Adult Heart from the Viewpoint of Development."

THE COLLEGE PAPER—"THE PULSE"

Several years ago the students of the Omaha Medical College, then in affiliation with the University of Nebraska, decided that they needed some medium of expression of the vigorous life of the school. Consequently they began the publication of a school paper known as "The Pulse."

The paper, "Representing the Students, Alumni and Faculty of the University of Nebraska College of Medicine," gives twenty-four pages of interesting reading.

MUSEUM

The pathological museum of the College of Medicine contains about 2,500 specimens and is accommodated in cases built to fit the wall space of the corridor of the main floor. The specimens are being entirely re-classified and remounted in flat jars, in order that they may be readily demonstrated and handled. Nearly every variety of pathological lesion is represented and fresh material is regularly received from the affiliated hospitals. From the autopsies performed by the staff, averaging fifty per year, much valuable material is also obtained; this is permanently mounted. In the arrangement of the specimens it has been the aim to make the museum an important and necessary adjunct to the teaching not only of pathology but also of clinical medicine.

The anatomical museum, consisting of models, charts and mounted specimens, is housed in the quarters of the department of anatomy, where it is readily accessible to the students of the department.

DISPENSARY STAFF MEETINGS

The Dispensary Staff is divided into service groups each group having its own chairman. These groups meet to discuss dispensary problems on the call of the chairman who is responsible to the College for the success of his particular service. At these meetings dispensary cases are reported and discussed and plans looking toward improvement are brought forward.

JOURNAL CLUB

The members of the Laboratory Staff at the building conduct Journal Clubs which meet at various times.

STUDENT LOAN FUND

Hon. John R. Webster, of Omaha, Dr. John Alexander Low Waddell, of Kansas City, and Hon. William Gunn Whitmore, of Valley, have given the sum of \$1,000 each to be used as a permanent loan fund for students needing assistance. The interest received from the loaning of this money goes to increase the fund. Application blanks and the full rules for administration may be obtained at the office of the Secretary. Loans will be made only to students in need of assistance, who have been matriculated for at least one full year. Upper classmen will be given preference in the making of loans. The moral character of the applicant, his habits of temperance and industry, and his assiduity and success in his studies will also be determining factors. The amount loaned to one student will, except in extraordinary cases, be limited to \$100 per semester. The note given by the borrower will bear six per cent interest, payable annually; the loan is to be wholly repaid two years after the student graduates or withdraws from the University.

SCHOLARSHIPS

Scholarships are awarded in the various departments in return for students' assistance. Applications for scholarship should be made to the Dean or heads of departments. Announcement will be made later regarding an Alumni scholarship which has been assured.

PRIZES FOR RESEARCH WORK

A friend of the College of Medicine has offered the following prizes:

For Any Student—For the best piece of original work, clinical or experimental, \$50.00. For second best, \$25.00.

For Members of Clinical Faculty—For the best piece of original work, clinical or experimental, \$100.00. For second best, \$50.00.

Rules governing the submitting of theses are on file in the office of the Dean.

THE ARRANGEMENT OF THE COURSES OF STUDY

In framing and adopting the present curriculum certain definite principles were relied upon for guidance.

1. That in the sequence of studies, in the total number of hours devoted to each subject and in the relative time devoted to laboratory, hospital and class work the experience of some of the leading medical schools of the country, as revealed in their respective catalogs, would furnish an impersonal standard.

2. That the various courses of study in the curriculum possess such characteristics that it is not desirable that all should be handled alike. That, whereas, in some subjects intensiveness and concentration are desiderata, in others greater efficiency is gained by covering the ground more slowly.

In chemistry and physiology where experimental procedures call for uninterrupted consecutive hours for the completion of an experiment the maximum of blocking has been adopted. In histology a whole day at the microscope constitutes too great a strain on the eyes so that histology divides the day with work of a different type. The blocking is most thorough in the earlier portions of the curriculum. In the clinical years it has been found of considerable advantage to block both lectures and clinics. Many subjects requiring eighteen lectures are given to greater advantage by three lectures per week for six weeks rather than one lecture per week over the entire semester. Subjects ordinarily given by means of two didactic hours per week are now accorded four didactic hours over half the time.

A third principle governing the construction of the curriculum is that it must be elastic in order that it may rapidly with little friction adapt itself to growth in medical teaching. For this purpose correlation between adjoining subjects is left to the heads of departments and to the Dean who will reduce to a minimum unnecessary overlapping and arrange for the sequential presentation of subject matter.

To meet the differences in the mental capacities of students there are freely interspersed thruout the curriculum free hours or half days during which capable students are free to elect additional work or otherwise.

SUMMARY OF COURSES OF THE THIRD, FOURTH, FIFTH
AND SIXTH YEARS

THIRD YEAR

First Semester

Course	Character	Total Hours	Credit Hours
Biochemistry 1..... (Org. and Phys.)	Lec. Lab. Quiz....	120	3.6
Biochemistry 2..... (Physiological)	Lec. Lab. Quiz....	220	6.6
Anatomy 3..... (Embryology)	Lec. Lab. Quiz....	90	2.7
Anatomy 1..... (Gross Anatomy)	Lec. Lab. Quiz....	165	5.1

Total hours of semester..... 595
Total credit hours..... 18

Second Semester

Course	Character	Total Hours	Credit Hours
Anatomy 2..... (Gross Anatomy)	Lec. Lab. Quiz....	340	11.0
Anatomy 4..... (Hist. and Organol.)	Lec. Lab. Quiz....	220	7.0

Total hours of semester..... 560
Total credit hours..... 18
Total hours of third year..... 1,155

FOURTH YEAR

First Semester

Course	Character	Total Hours	Credit Hours
Pathology 1..... (Bacteriology)	Lec. Lab. Quiz....	170	5.8
Physiology 1.....	Lec. Lab. Quiz....	280	9.5
Anatomy 5.....	Lec. Lab. Quiz....	80	2.7

Total hours of semester..... 530
Total credit hours..... 18

Second Semester

Course	Character	Total Hours	Credit Hours
Pharmacology 1, 2, 3..... (Pharmacy, Pharmacodynamics)	Lec. Lab. Quiz....	187	6.0
Pathology 2.....	Lec. Lab. Quiz....	238	8.0
Physiology 3..... (Applied Physiol. and Phys. Diag.)	Lec. Lab. Quiz....	56	1.8
Obstetrics 1.....	Lec.....	32	1.0
Ophthalmology 1.....	Lec. Dem.....	6	.2
Medicine 2.....	Quiz.....	32	1.0

Total hours of semester..... 551

Total credit hours..... 18

Total hours of fourth year..... 1,081

FIFTH YEAR

First Semester

Course	Character	Total Hours	Credit Hours
Internal Medicine 5.....	Lec. Quiz. Clinic....	68	1.5
Internal Medicine 10a.....	Clinic.....	34	.8
Laryng. and Rhinology 1 and 3.....	Lec. Dem.....	18	.5
Pathology 4.....	Lab. Lec. Quiz....	136	4.0
Internal Medicine 3..... (Physical Diagnosis)	Clinic. Quiz.....	51	2.0
Surgery 9a.....	Clinic.....	34	1.0
Obstetrics 2.....	Lec. Quiz.....	34	1.0
Surgery 1.....	Lec. Quiz.....	68	2.0
Ophthalmology 2.....	Lec. Quiz.....	21	.5
Otology 3.....	Lec. Quiz.....	9	.2
Pharmacology 4..... (Therapeutics)	Lec. Quiz.....	51	1.5
Dispensary.....	Clinic.....	117	3.0

Total hours of semester..... 641

Total credit hours..... 18

THE COLLEGE OF MEDICINE

257

Second Semester

Course	Character	Total Hours	Credit Hours
Dispensary	Clinic	117	3.0
Gynecology 1	Lec. Quiz	18	.5
Internal Medicine 4	Clinic	12	.5
(Physical Diagnosis)			
Internal Medicine 6	Quiz. Lec.	68	2.5
Internal Medicine 10a	Clinic	34	1.0
Laryngology 2	Lec. Quiz	18	.5
Laryngology 4	Clinic	3	.5
Nervous Diseases 1	Lec.	14	.5
Obstetrics 3	Lec. Quiz	34	1.5
Pediatrics 3	Lec. Clinic	34	1.0
Surgery 2	Lec. Quiz	51	1.5
Surgery 8	Lec. Lab.	51	1.5
Surgery 9a	Clinic	51	1.5
Surgery 9b	Clinic	30	1.0
Therapeutics 1	Lec. Quiz. Clinic	34	1.0

Total hours of semester 569
 Total credit hours 18
 Total hours of fifth year 1,210

SIXTH YEAR

First Semester

Course	Character	Total Hours	Total Credit
Clinical Clerkship and Dispensary ..	Clinic	117	3.3
Ophthalmology 4	Clinic	25½	.7
Nervous and Mental Diseases 2	Lec. Quiz	18	.5
Nervous and Mental Diseases 3	Clinic	17	.5
Internal Medicine 10d	Clinic	34	1.0
Internal Medicine 10c	Clinic	34	1.0
Internal Medicine 10e	Clinic	25	.7
Therapeutics 2, 4, 6	Lec. Clinic	34	1.0
Pediatrics 1	Lec. Clinic	25½	.7
Genito-Urinary Surgery 1	Lec. Clinic	25½	.7
Surgery 9d	Clinic	34	1.0
Surgery 3 and 9c	Clinic	34	1.0
Surgery 9f	Clinic	34	1.0
Surgery 5	Lec. Quiz	30	1.0
Obstetrics 4 and 5	Lec. Quiz	30	1.0
Gynecology 2	Lec. Quiz	40	1.0
Gynecology 4 and 5	Clinic	34	1.0
Dermatology 1 and 4	Lec. Quiz. Clinic	18	.5
Hygiene 1	Lec. Quiz	12	.4

Total hours of semester 634
 Total credit hours 18

Second Semester

Course	Character	Total Hours	Credit Hours
Clinical Clerkship and Dispensary	Clinic	117	3.3
Ophthalmology 5	Clinic	25 $\frac{1}{2}$	.7
Internal Medicine 10d	Clinic	34	1.0
Internal Medicine 10c	Clinic	34	1.0
Internal Medicine 11	Quiz	25	.7
Nervous and Mental Dis. 4	Clinic	34	1.0
Pediatrics 2	Clinic	25 $\frac{1}{2}$	.7
Therapeutics 5	Clinic	25 $\frac{1}{2}$	.7
Surgery 9d and 9e	Clinic	34	1.0
Surgery 4 and 9c	Clinic	34	1.0
Surgery 9f	Clinic	34	1.0
Orthopedic Surgery 1 and 2	Clinic	34	1.0
Gynecology 6	Clinic	34	1.0
Surg. Obstetrics 3 and 4	Lec. Clinic. Quiz	24	.7
Dermatology 3	Lec. Clinic	17	.5
Internal Medicine 7	Lec. Quiz	16	.5
Medical Jurisprudence 1	Lec. Quiz	14	.3
Medical Conference 9	Clinic	9	.2
Laryngology 5	Clinic. Lec.	$\frac{1}{2}$	.1
Surgery 6	Lab. Lec. Quiz	25	.7
Gen.-Urinary Surg. 2	Clinic	17	.5
Medical Review	Quiz	68	.4

Total hours of semester..... 681

Total credit hours..... 18

Total hours of sixth year..... 1,315

Grand total number of hours scheduled in Omaha.... 4,761

COURSES OF INSTRUCTION IN OMAHA

ANATOMY

Professor Poynter, Professor Willard, Doctor Keegan, Mr. MacQuiddy

In this department instruction is given in gross anatomy, histology, embryology and neurology. The work of the department extends thru the third year and half of the fourth. In the third year the student completes the courses in dissection, descriptive anatomy, embryology and histology (except central nervous system). In the first semester of the fourth year he completes the course in the gross and microscopic anatomy of the central nervous system.

All instruction is based on laboratory work carried out under the supervision of the staff. Lectures covering subjects of broad morphological significance are given before the entire class but for the discussion of details, in conjunction with laboratory work, the class is subdivided into small groups. Every effort is made to correlate the work in gross and microscopic

anatomy so that the student may understand that the microscope is simply an aid to a better understanding of morphology.

1,2. **Gross Anatomy**—A study of the human body. In the laboratory the student is required to make a complete dissection of the cadaver, using charts, atlases and texts as guides; while his work is largely independent he will be required to submit completed dissections to the departmental staff from time to time to insure the development of a careful technic and a proper understanding of the regions studied. At the completion of the course each student is required to pass a practical examination on the cadaver. Lectures, conferences and laboratory—505 hours.

3. **Embryology**—This course includes a brief survey of the fundamental facts of vertebrate development and their application to the problems of human morphogenesis and histogenesis. In the laboratory the work on general development is based on the study of the chick and pig; in organogeny this material is largely supplemented with human tissues. Recitations on assigned readings, lectures and laboratory—90 hours.

4. **Histology and Organology**—This course is organized to emphasize the idea that the subject is a farther microscopic analysis of the gross structure of the body. Laboratory work consists of a study of normal human material supplemented by various other mammalian tissues. The relation between structure and function is constantly emphasized. An individual loan collection is furnished each student. Lectures, quizzes and laboratory—220 hours.

5. **Neurology**—A study of the gross and microscopic anatomy of the central nervous system. In the laboratory the work consists of dissections of the human brain, study of microscopic sections and reconstructions of the principal functional paths. The lectures aim to extend the laboratory work and develop those features which are not susceptible of laboratory demonstration and which have a direct bearing on the later work of the curriculum. Lectures and laboratory—80 hours.

Elective Courses and Courses Leading to Research

6. **Topographical Anatomy**—A laboratory course devoted to the study of special regions by means of dissections, frozen sections and wet preparations. 54-90 hours.

7. **Cytology**—An intensive study of intercellular structure with relation to the functional activities of the cell. A course which should precede histological research.

8. **Comparative Neurology**—A study of certain aspects of the nervous system of lower vertebrates as indicating the phylogeny of the human brain.

9. **Histological Technic**—A study of the various technical methods employed in preparing tissues for microscopic study. Classes limited.

10. **Graduate Courses**—The facilities are available for research on special problems within the field of the department, such work leading to graduate degrees under the rules of the Graduate College of the University.

NOTE—All elective courses must be specially arranged for; time and credit to be arranged for at time of registration.

BIOCHEMISTRY

Professor Cutter, Assistant Professor Peters, Mr. Green and Assistants

The courses of the department are designed:

A. To give a fundamental training in biological (physiological) chemistry in the regular curriculum of the medical student.

B. To afford means for students of biological chemistry, not candidates for the degree of medicine, to obtain the necessary credits for their degrees of A. M., Ph. D., etc. All students who are candidates for a degree are expected to take courses 1 and 2 unless the content of these courses has been covered elsewhere in a manner acceptable to the head of the department.

C. To offer the facilities of the laboratory to physicians and students, whether medical or non-medical, for special work on selected topics or methods in biochemistry, independently of the requirements for a degree.

1. **General Organic and Physical Chemistry**—A general survey of the important organic compounds especially those used in applied medicine. Selected compounds are prepared in the laboratory and their properties studied. Concurrently and in relation with this an introductory study, both descriptive and experimental, is made of some of the physico-chemical relations of reactions, especially electro-chemical conditions and those of the colloidal state. Five hours of lecture and quiz, fifteen hours of laboratory—Total 120 hours. First six weeks, first semester, third year.

2. **Biological Chemistry (physiological chemistry)**—The introductory work of the preceding course is immediately followed by a study of the principal biochemical substances and processes from the triple point of view of their chemical, their physiological and their pathological relations and as ultimately developed in the facts and principles of metabolism. The methods and results thus obtained are then applied to a similar study of selected tissues and organs. Quantitative methods are employed throughout the course to the fullest extent possible. The primary aim of the course is functional, the chemical method being used as a means to the biological or physiological end. Five hours of lecture and quiz. Twelve hours of laboratory. Total 220 hours. First semester, third year.

3. **Special Topics in Chemical Pathology**—Laboratory and conference work on special topics or methods selected according to the professional needs of the physician or the special interest of the student. Chemical methods and technic for the study of blood and urine may be selected, especially such as have clinical application, including the more recently developed micro-methods and physico-chemical methods. Other topics may be selected on the functional chemical tests of various organs or on the chemical pathology of diseases of growth and development or of nutrition and metabolism. Ample facilities of both laboratory and hospital will be provided for the chemical study of pathological conditions, or for practically following the succession of chemical or metabolic changes in the progress of a case or of a disease, and especially for experimental work in chemical pathology. This course is open to all physicians and to students who have had course 2 or its equivalent. It may be entered at any time. Hours and topics to be arranged individually.

4. **Outlines of Colloid Chemistry**—An elective course consisting of lectures, demonstrations and optional laboratory work. The principal facts of the colloidal state will be discussed especially in their relation to physiological and pathological processes. Medical procedures resting on colloid theories will be critically studied. Hours to be arranged.

5. **Sanitary Chemistry**—An elective course covering the principles of chemical analysis of foods, their adulterants and their preservation. Attention will be paid to methods of detection of impurities, milk analysis and wafer analysis from the standpoint of biological chemistry, state medicine and hygiene. Hours to be arranged.

6. **Thesis Work**—Candidates for master's and doctor's degree (Ph. D.) may elect a topic after consultation with the head of the department of biological chemistry with a view of obtaining partial fulfillment for a degree.

DERMATOLOGY AND SYPHILOLOGY

Professor Schalek, Doctor Tomlinson

Thruout the year the students are taken to the different hospitals by appointment to see interesting and rare cases of skin affections. Weekly recitations are given in both semesters to prepare a thoro foundation for the subject. At the University Free Dispensary the students are brought in personal contact with patients of whom they take entire care under the supervision of the attending physician. Special attention is given to the latest advances in syphilology. Salvarsan is discussed and its administration demonstrated. The students are made acquainted with all the newer therapeutics in dermatology. During the second semester a weekly clinic is given at the Douglas County Hospital which affords abundant

dermatological material. A fine collection of plates and photographs is available to be thrown on the screen for lectures and conferences.

1. **Dermatology**—Lantern demonstrations of the various skin lesions, together with lectures and recitations upon their etiology, pathology and treatment. Eighteen hours. First semester, sixth year. Tomlinson

3. **Dermatology and Syphilology**—A weekly clinic at the County Hospital. Demonstration of patients, discussion of treatment and lectures. Seventeen hours. Second semester, sixth year. Schalek

4. **Dermatology and Syphilology**—Demonstrations of patients and new methods of treatment, at the Methodist and Immanuel Hospitals, by appointment. First and second semesters, sixth year.

5. **Dermatology and Syphilology**—University Free Dispensary, five hours weekly. Examinations of patients and treatments given by students under the supervision of the attending physician. First semester, fifth and sixth years. Schalek, Tomlinson

6. **Dermatology and Syphilology**—University Free Dispensary, five hours weekly. Second semester, fifth and sixth years. Schalek, Tomlinson

GENITO-URINARY SURGERY

Assistant Professor Kennedy, Doctors Ballard and Tomlinson

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds and local treatment of the mucous membrane of the urethra and bladder, are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

1. **Genito-Urinary Surgery**—One and one-half hours clinic and lecture at Douglas County Hospital. Total twenty-five and one-half hours. First semester, sixth year. Kennedy

2. **Genito-Urinary Surgery**—One hour lecture. Total seventeen hours. Second semester, sixth year.

3. **Genito-Urinary Clinic at Free Dispensary**—Two hours daily in sections, one month. First semester, fifth and sixth years. Kennedy, Ballard, Tomlinson

4. **Genito-Urinary Clinic**—3 continued. Second semester, fifth and sixth years.

GYNECOLOGY AND OPERATIVE OBSTETRICS

Professor Findley, Doctors Waters and Taylor

The instruction in diseases of women consists largely of practical demonstrations. The lectures are illustrated by stereoptican views of pathological lesions and operative procedures with demonstrations of gross and microscopical specimens. The dispensary clinic, held daily at the University Free Dispensary, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One clinic each week is held in the Clarkson Memorial or Douglas County Hospital thruout both semesters where cases are presented for diagnosis and treatment.

Opportunity is afforded for making bimanual examinations under anaesthesia in the clinics and for assisting in the operations.

2. **Gynecology**—The subject is covered by didactic lectures and recitations. These are supplemented by lantern demonstrations, demonstrations of instruments, casts and pathological specimens. Four hours. Total forty hours. First semester, sixth year. Findley

3. **Operative Obstetrics**—Illustrated lectures and conferences. Three hours. Total twenty-four hours. First half, second semester, sixth year. Findley

4. **Operative Obstetrics**—Presentation of clinical cases in connection with courses 5 and 6.

5. **Gynecology**—A weekly clinic at the Clarkson Memorial or Douglas County Hospital. A special feature is the opportunity given each student to make examinations under anaesthesia and to assist in operations. Two hours. Total thirty hours. First semester, sixth year. Findley

6. **Gynecology**—5 continued. Two hours. Total thirty-four hours. Second semester, sixth year.

7. **Gynecology**—University Free Dispensary. Two hours each day are devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. Ten hours. First semester, sixth year. Waters, Taylor

8. **Gynecology**—7 continued. Ten hours. Second semester, sixth year.

HYGIENE AND PUBLIC HEALTH

Professor Towne

1. **Sanitation and State Medicine**—Relation of medical profession to public health. Results of practical experience. Quarantine regulations in Nebraska. Discussions upon air, water, soil and climate; heating and ventilation; water supplies public and private; private and municipal

management of transmissible diseases; epidemics, contagion and disinfection; vital statistics. One hour lecture. Total twelve hours. First semester, sixth year.

Towne

INTERNAL MEDICINE

Professor Bridges, Professor Milroy, Professor Crummer, Assistant Professor Bliss, Assistant Professor Banister, Assistant Professor Bridges, Doctors Hamilton, Anderson, Conlin, Hall and Pratt.

1. **Physical Diagnosis**—(See Physiology 3.)

2. **Principles of Medicine**—A recitation course upon the general and infectious diseases, taking up systematically their etiology, pathology, symptomatology, diagnosis, prognosis and treatment. Four hours. Total thirty-two hours. Second semester, fourth year.

Hall

3. **Physical Diagnosis**—Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Two hours clinic, one hour quiz. Total fifty-one hours. First semester, fifth year.

Bliss, Anderson

4. **Physical Diagnosis**—3 continued. One hour quiz. Two hours clinic. Total fifty-one hours. Second semester, fifth year.

Bliss

5. **Internal Medicine**—2 continued. Four hours quiz, two weeks alternate dispensary service, two hours clinic. Total sixty-eight hours. First semester, fifth year.

E. L. Bridges, Conlin, Hamilton

6. **Internal Medicine**—5 continued. Four hours quiz, two hours clinic. Total sixty-eight hours. Second semester, fifth year.

E. L. Bridges, Conlin, Hamilton

7. **Tropical Medicine**—Lectures on the distribution, etiology, diagnosis, and treatment of such tropical diseases as are of practical importance to American physicians in view of our increasing commercial intercourse with tropical countries by reason of our possessions in the West Indies, Panama Canal Zone, and in the Islands of the Pacific. The endemiology and epidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control and suppression of the same. One hour lecture. Total sixteen hours. Second semester, sixth year.

Banister

8. **Life Insurance Examinations**—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technic in examining applicants for life insurance. One hour. Second semester, sixth year.

Milroy

9. **Medical Conferences**—Reports of cases on clinical clerk and extern services. One hour. Total nine hours. Second semester, sixth year.

Milroy

10. Internal Medicine Clinics—

- a. Methodist Hospital—2 hours. First and second semesters, fifth year. E. L. Bridges
- b. County Hospital—2 hours. Second semester, fifth year. Bliss
- c. Methodist Hospital—2 hours. First and second semesters, sixth year. W. O. Bridges
- d. Clarkson Hospital—2 hours. First and second semesters, sixth year. Crummer
- e. County Hospital—1½ hours. First semester, sixth year. Milroy
- f. Dispensary service (see schedule).
- g. Clinical Clerk service (see schedule).

11. Review Course—A course covering a general review of Medicine. Use of outlines, case reports, histories, etc., with thoro correlation with pathology. Total twenty-five hours. Second semester, sixth year.

Pratt

LARYNGOLOGY AND RHINOLOGY

Professor Owen, Doctors Wherry and Rubendall

1. Physiology and Appearance of Nose, Throat and Larynx—Examination of each with special reference to the normal. Use of instruments. One hour lecture. One hour demonstration. Total eighteen hours. First semester, fifth year. Wherry

2. Diseases of the Nose, Throat and Larynx with pathology, diagnosis and treatment. One hour lecture. Total thirty-four hours. Second semester, fifth year. Owen

3. Diseases of Nose and Throat—One and one-half hours clinic. First semester, fifth year in sections.

4. Diseases of Nose and Throat—One and one-half hours clinic. Second semester, fifth year in sections.

5. Diseases of Nose and Throat—Lectures and clinic. Two hours. Second semester, sixth year.

6. Dispensary—Services of one month, daily. First semester, fifth and sixth years. Owen, Wherry, Rubendall

7. Dispensary—Course 6 continued. Second semester, fifth and sixth years.

MEDICAL JURISPRUDENCE

Mr. Thomas

1. Medical Jurisprudence—Physicians' contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine, sanitation. Medical legislation. Fourteen lectures. Second semester, sixth year. Thomas

NERVOUS AND MENTAL DISEASES

Professor Aikin, Doctor Mogridge

1. **Nervous and Mental Disorders**—Lectures on the etiology of nervous and mental diseases; methods of examination; upper and lower neurons with symptoms referable to each; neuritis single and multiple; motor and sensory disorders; diseases of the spinal cord; sclerosis; progressive muscular atrophies and dystrophies; diseases of the brain and its membranes; apoplexy, hemorrhage; epilepsy, hysteria, convulsions; idiocy, imbecility, feeble-mindedness; neurasthenia and psychasthenia; goitre, occupation neuroses; trophic and vasomotor disorders; disorders of sleep; insanity, its recognition; acute and common forms amenable to treatment; chronic and dementing forms and their care; psycho-analysis in medical practice, etc. Total eighteen hours. Second semester, fifth year.

Aikin, Mogridge

2. **Nervous and Mental Disorders**—1 continued. Eighteen one-hour periods, first semester, sixth year.

3. **Nervous and Mental Disorders**—Clinic at the Methodist Hospital. General discussion of the causes productive of neurologic and psychologic symptoms. Cases followed by clinical clerks. One hour. Total seventeen hours. First semester, sixth year.

Aikin

4. **Nervous and Mental Disorders**—Clinic at the County Hospital. Conferences on diagnosis and treatment. Cases followed by clinical clerks. Two hours. Total thirty-four hours. Second semester, sixth year.

OBSTETRICS

Professor Somers, Assistant Professor Pollard, Doctor Taylor

1. **The Physiology of Pregnancy, Labor, and the Puerperium**—Hygiene and conduct of pregnancy, normal labor and puerperium and the physiology and the care of the new-born child. One hour lecture. Total thirty-two hours. Second semester, fourth year.

Taylor

2. **Pathology of Pregnancy, Labor, Puerperium, and of New-Born Child**—Two hours lecture. Total thirty-four hours. First semester, fifth year.

Pollard

3. **Pathology of Pregnancy, Labor, Puerperium and of New-born Child**—2 continued. Two hours. Total thirty-four hours. Second semester, fifth year.

4. **Obstetrics**—The hemorrhages, antepartum, intrapartum, and postpartum. The toxemias, antepartum, intrapartum, postpartum and the infections. Review of use of forceps with special applications. Three hours. Total thirty hours. First semester, sixth year.

Somers

5. **Clinical Obstetrics** in homes and institutions during the entire fifth and sixth years.

Somers, Pollard, Taylor

ATTENDANCE ON OBSTETRICAL CASES

The Lying-in Dispensary and the various hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of the sixth year class under direction. During such attendance the student is excused from other College exercises. Under direction and in presence of the professor or one of his assistants, he makes examination, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor and in case operative procedure is necessary, witnesses and assists at operations. Each student is shown one or more cases during the fifth year, special opportunities being offered to students remaining in the city during the summer months. An obstetric clinic by appointment on Saturday afternoons and on other days out of lecture hours is in successful operation in connection with this department, at which students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the time. All material for six months of the year at the County Hospital is utilized for this purpose. Written reports of all clinical work are required and each student must have reported twelve cases of confinement before coming up for graduation.

OPHTHALMOLOGY AND OTOTOLOGY

Professor Gifford, Doctors Patton, Lemere, Potts, Lindquest, Knode and Callfas

1. **Ophthalmology**—General examination of the eye with special reference to the normal. Principles of refraction with practical exercises in groups at dispensary. Use of ophthalmoscope, etc., with practical demonstrations. One hour lecture. Total six hours. Second semester, fourth year. Potts

2. **Ophthalmology**—Diseases of the eye, symptomatology and diagnosis. Lecture and quiz. Three hours. Total twenty-one hours. First semester, fifth year. Patton

3. **Otology**—Special diagnostic methods with use of instruments. Non-surgical diseases of the ear. Three hours. Total nine hours. Second half, first semester, fifth year. Lemere

4. **Diseases of the Eye and Ear**—Lectures and clinics at Methodist Hospital. Cases followed by clinical clerks on service. Treatment and diagnosis. One and one-half hours. Total twenty-five and one-half hours. First semester, sixth year. Gifford, Patton

5. **Diseases of the Eye and Ear**—4 continued. One and one-half hours. Total twenty-five and one-half hours. Second semester, sixth year.

6. **Operative Course on Animal Eyes**—Elective. One hour. Second semester, sixth year. Patton

7. **Ophthalmoscopy**—Course designed to meet demands of ophthalmoscopic diagnosis in internal medicine. Twelve hours. Elective for sixth year students. Patton

8. **Dispensary**—Junior and senior services of one month each. Three hours systematic and special quiz with demonstrations. Potts, Lindquest, Knode, Callfas

ORTHOPEDIC SURGERY

Professor Lord, Doctor Schrock

1. **Orthopedic Surgery**—Diseases of bones and joints, synovial membranes and bursae. Congenital and acquired deformities and disease producing deformities. The prevention of deformities and dystrophies with principles of treatment. Subjects illustrated by photographs, slides, etc. One hour. Total seventeen hours. Second semester, sixth year. Lord, Schrock

2. **Orthopedic Surgery**—Two hours clinic and quiz. Clarkson Hospital. Total seventeen hours. Second semester, sixth year. Lord, Schrock

PATHOLOGY AND BACTERIOLOGY

Professor Eggers, Dr. Johnson, Mr. Myers, Dr. Manning

1. **Bacteriology and Protozoology**—A lecture and laboratory course on the microorganisms of pathogenic importance to man. The lecture and class work is devoted: (a) to a study of the more important pathogenic organisms, with especial reference to their infectiousness as determined by their habits of life and occurrence in nature; (b) to a study of the phenomena and theories of immunity; (c) to a brief survey of the pathogenic protozoa; (d) to special applications of bacteriology, as in sanitary analysis. The laboratory work is primarily designed to familiarize the student with bacteriological technic, and to give him a first-hand working knowledge of the life habits of the principal pathogenic bacteria. In addition, experimental work is also given in the field of immunity, where the student studies the various types of immunity as produced by himself in laboratory animals; the last few weeks of the course are devoted to the bacteriological analysis of water and milk. 102 hours laboratory, 68 hours class work. First semester, fourth year.

2. **General Pathology**—A lecture and laboratory course on the study of disease processes in general. The lecture and class work is devoted: (a) to a discussion of the fundamentals of general pathology; (b) to a study of disease processes in detail, with particular reference to their causes, manifestations, and effects. In the laboratory, the greater portion of the work consists of a study of microscopic sections illustrating the various

processes. This is supplemented by the demonstration of gross museum specimens, and of fresh specimens whenever possible. 153 hours laboratory, 85 hours class work. Second semester, fourth year.

3. **Special Pathology**—The work of course 2 is continued in the first semester of the fifth year as systemic pathology. The effects of the various pathological processes upon the different organ systems are considered and are illustrated by microscopic and museum specimens and by fresh material. 51 hours laboratory, 17 hours lecture and 17 hours recitation. First semester, fifth year.

4. **Clinical Pathology**—The primary aim of this course is to familiarize the student with the apparatus, methods and technic of the clinical laboratory. Especial attention is paid to methods applicable in general practice, the results of such practical modifications being compared with those obtained by more exact methods and apparatus. The course is closely correlated with the preceding one, the clinical laboratory work applicable to each organ system following directly upon the consideration of the gross and microscopic pathology of that system. 34 hours laboratory, 17 hours lecture and 17 hours recitation. First semester, fifth year.

5. **Autopsy Technic**—Sixth year students are required to attend the autopsies held by the staff. Two fifth year students are assigned to each autopsy, performing the postmortem under the immediate supervision of the instructor; they are required to present a complete protocol of the gross and microscopic findings.

ELECTIVE COURSES

The following elective courses are open to those who have completed courses 1, 2, and 3.

6. **Pathological Technic**—A course on the preparation and examination of pathological anatomical material. It includes the use of the celloidin, paraffin, freezing microtomes, routine and special staining, and the diagnosis of specimens after preparation. Hours arranged individually.

7. **Public Health Bacteriology**—A laboratory course intended to give instruction in the methods of bacteriological analysis of water, milk, sewage and foods.

8. **Immunology**—Laboratory work and assigned reading aiming at more detailed knowledge, especially of the methods which have clinical application, than is possible from course 1.

9. **Experimental Pathology**—The study of physiological abnormalities induced by experimental procedures.

10. **Clinical Pathology**—Advanced work in the hematological and chemical study of clinical cases.

11. **Research**—The facilities of the department are available for original investigation upon presentation by the applicant of evidence of adequate preliminary training.

PEDIATRICS

Professor McClanahan, Doctors Christie, Hamilton, Wigton, Moore

1. **Pediatrics**—Gastro-intestinal diseases, diseases of nutrition, and the important part played by errors of diet in their production. The history and technic of intubation. Clinics, at Child-Saving Institute and Methodist Hospital, where many cases of ordinary affections of infancy and childhood furnish practical applications. One and one-half hours lecture and clinic. Total twenty-five and one-half hours. First semester, sixth year.

McClanahan

2. **Pediatrics**—1 continued. Second semester, sixth year. One and one-half hours lecture and clinic. Total twenty-five and one-half hours.

3. **Care of Children**—Instruction in the care, hygiene and feeding of infants; cranial measurements and physical development. Milk modification in all its methods including practical work at the Child-Saving Institute and at the Clarkson Hospital. Diseases of new-born and diseases of nutrition. One hour lecture, one hour clinic. Total thirty-four hours. Second semester, fifth year.

Christie

4. **Dispensary**—Two hours daily. First semester, fifth and sixth years on assignment.

Hamilton, Wigton, Moore

5. **Dispensary**—4 continued. Two hours daily. Second semester, fifth and sixth years on assignment.

PHARMACOLOGY

Professor Pilcher and Assistants

1. **Elementary Pharmacy and Principles of Prescription Writing; Toxicology; Absorption and Excretion of Drugs**—The term "Pharmacy" is construed liberally; the course will include sufficient laboratory and didactic work to enable the student to become familiar with the various pharmaceutical preparations used in therapeutics. Laboratory and didactic practice in the methods of writing and of compounding prescriptions; the avoidance of incompatibilities; study of principles of toxicology and of absorption of drugs. Six hours laboratory. First nine weeks of second semester, fourth year.

2. **Experimental Pharmacodynamics** — Experimental laboratory work on cold blood animals and mammals. Experiments are performed by the students, written observations noted and conclusions drawn. In the laboratory period the members of the classes alternate in collecting and classifying the data obtained by the individual students and groups of students. These class reports are presented and discussed in frequent conferences. The object of this method of presenting the work of the entire class by one or two students is to familiarize each student with

methods of classifying and presenting experimental data in a clear, concise manner. Six hours laboratory, two hours conference. Second nine weeks of second semester, fourth year.

3. **Didactic Pharmacology**—By means of lectures and quizzes individual drugs are studied; this includes drugs of local and systemic activity, constant reference being made to the results of the laboratory course. This course includes the following subdivisions: (a) The discussion of the physiological action of drugs, special emphasis being laid on the therapeutic application of the knowledge required; (b) The practical application of the principles of toxicology acquired in the related departments of biochemistry and pharmacology; (c) *Materia Medica*—while studying the individual drugs the student will familiarize himself with the appearance and physical properties of the preparation of the drug, the dosage, methods of dispensing, etc., practice in prescription writing, etc. Two hours. Second semester, fourth year.

4. **Didactic Pharmacology**—Continuation of course 3. Lectures and quizzes and practice in prescription writing; the therapeutic application of the acquired knowledge of the drugs.

5. **Elective Work**—As time and opportunity permit, elective courses along experimental lines will be offered to a limited number of students. Not more than one course of about twenty hours will be offered in one year.

PHYSIOLOGY

Professor Guenther, Dr. Anderson, Mr. Rusche and Assistants

A study of the facts and theories of normal vital phenomena presented with special reference to their medical bearing. The time allotted to the general course is spent in class conferences and in laboratory experimentation. In the laboratory the class is divided into two sections which meet on alternate days during one semester. Numerous demonstrations are given to illustrate the subject matter under consideration.

In addition to imparting information, stress is laid upon training the students in differentiating physiological facts from inferences; in the acquisition of a careful experimental technic; in the cultivation of a capacity for independent observation and in general, in supplying as far as is possible, an intimate knowledge of physiological processes.

1. **General Course in Physiology**—Lectures, conferences, quizzes. Laboratory work and demonstrations. Preparation of theses, assigned reading and the preparation of abstracts from current literature. Total 280 hours. First semester, fourth year. Guenther

2. **Clinical Physiology**—A series of lectures and quizzes given in conjunction with Physiology 3, placing emphasis on physiological topics of particular clinical interest. Total ten hours. Second semester, fourth year. Guenther

3. **Applied Physiology and Physical Diagnosis**—Continuation of Course 2. General principles. Demonstration of topography of head, chest and abdomen. Physical signs in health studied by direct personal examination. Lectures treat of normal conditions. In the laboratory the class is divided into sections and drilled in inspection, percussion and auscultation. Total fifty-one hours. Second semester, fourth year.

Anderson

4. **Elective Courses**—Physiology of special clinical interest and courses leading to research. Arranged as to content and time by consultation with the head of the department. For fifth and sixth year students, for candidates for advanced degrees, for practitioners and for special students. Credit to be arranged.

Guenther

SURGERY

Professor Jonas, Professor Davis, Professor Summers, Associate Professor Stokes, Doctors Kennedy, Morrison, Hollister and Hull

The course in surgery aims to give the students a thoro understanding of the principles of surgical pathology, surgical diagnosis and rational treatment and does not attempt in the undergraduate courses the development of surgical operative technic. Minor surgical technic is taught in the dispensary and clinics, including numerous practical exercises in surgical asepsis, and the student is prepared to perform such operations as would come to the practitioner as emergencies or in the course of general work. For surgical courses leading to general surgery the student is referred to graduate courses which may be arranged by consultation with the head of the department.

1. **Principles of Surgery**—A full description of the classes of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Topics assigned for recitation and quiz covering lectures on principles of surgery, surgical pathology of tumors, the practice of surgery, fractures and dislocations. Four hours. Total sixty-eight hours. First semester, fifth year.

Stokes, Hull, Hollister

2. **Principles of Surgery**—1 continued. Three hours. Total fifty-one hours. Second semester, fifth year.

3. **Practice of Surgery**—Clinics amplified by lectures on surgical diagnosis, pathology and treatment. Cases assigned for clinic are reported by special groups of senior students with complete data regarding diagnosis, treatment, etc., of each case. All reported or operated cases followed in the wards by clinical clerks on service. Methodist Hospital. One hour lecture, one hour clinic. Total thirty-four hours. First semester, sixth year.

Jonas

4. **Practice of Surgery**—3 continued. Methodist Hospital. One hour lecture, one hour clinic. Total thirty-four hours. Second semester, sixth year.

5. **Fractures and Dislocations**—A lecture, quiz and demonstration course on fractures and dislocations. X-ray diagnosis with application of bandages and casts. Three hours. Total thirty hours. First semester, sixth year. Hollister

6. **Fractures and Dislocations**—5 continued. Practical work in application of plaster casts. Two hours. Total thirty-four hours. Second semester, sixth year.

7. **Operative Technic**—Students required to master details of the more common operations; ligations, amputations, excisions, paracentesis, celiotomies for various abdominal diseases, rib resection and trephining. One hour. Second semester, sixth year. Morrison

8. **Experimental Surgery**—Intended to familiarize students with principles of surgical technic, asepsis, preparation of supplies for operation, use of instruments, preparation of patients for operation, and care of patients after operation. These points are developed by operations done on animals with the same care that such operations are done on human beings. One hour lecture, two hours in operating room. Total fifty-one hours. Second semester, fifth year. Stokes

9. **Surgical Clinics**—

- a. Immanuel Hospital—Three hours. First and second semesters. Fifth year. Davis, Hull
- b. County Hospital—Two hours. Second semester, fifth year. Hollister
- c. Methodist Hospital—Two hours. First and second semesters, sixth year. Jonas
- d. Clarkson Hospital—Two hours. First and second semesters, sixth year. Summers
- e. County Hospital—Clinics by appointment on time of clinic "d." Summers
- f. Wise Hospital—Two hours. First and second semesters, sixth year. Stokes
- g. Dispensary service (see schedule).
- h. Clinical Clerk service (see schedule).

THERAPEUTICS

Assistant Professor Goetz, Doctor Ballard

The courses of this department follow directly those offered by the department of Pharmacology. The following courses are offered with the object of fixing firmly the practical applications of pharmacological reasoning.

1. **Clinical Therapeutics**—Practical course. Necessity of definite plans of treatment based upon logical reasoning shown in the more important diseases. Embraces the direct application of all forms of therapeutic aid. Lectures, quizzes and clinics. In clinics special attention paid to analyzing cases for therapeutic indications. Two hours recitation. Total thirty-four hours. Second semester, fifth year. Goetz
2. **Clinical Therapeutics**—1 continued. Including course 4. Total twenty-five and one-half hours. First semester, sixth year.
3. **Seminar in Therapeutics**—Arranged at opening of school year. Each student makes an investigation and reports upon some of the modern specialized forms of therapeutics, such as the Nauheim treatment, the Carlsbad treatment, the Finsen treatment. Careful investigation of the topic with discussion by the class and criticism by the instructor. Sixth year. By appointment. Goetz
4. **Therapeutic Clinic**—One and one-half hours. First semester, sixth year.
5. **Therapeutic Clinic**—One and one-half hours. Total twenty-five and one-half hours. Second semester, sixth year.
6. **X-ray Diagnosis and Therapeutics**—Lectures, demonstrations with practical reading of plates, fluoroscopic examinations and treatments. Nine hours lecture. First semester, sixth year. Ballard

COURSE IN EMBALMING AND SANITARY SCIENCE

GENERAL STATEMENT

It has been the policy of the University wherever possible to render assistance along the lines of State development. The responsibility of the State in public health matters is everywhere recognized and the importance of well trained embalmers in assisting in carrying out this work is becoming appreciated at its true worth. For students desiring to become professional embalmers and wishing to obtain wider preparation than can be secured in the short course which has formerly been held at the annual meeting of the Association, the University now offers a special group of courses covering a period of eight weeks. This work will be given in connection with the regular session of 1917, beginning in October. The first session of the course in Embalming given in the fall of 1915 was most successful.

REQUIREMENTS FOR ADMISSION

All persons desiring to register for these courses must be 21 years of age of good moral character, and must present to the Registrar credentials showing that they have had a preliminary education equivalent to a two year high school course and a certificate from a licensed embalmer showing that they have had at least one year's practical experience under his direction.

FACILITIES

The instruction in the laboratory courses will be given in the regular laboratories of the College of Medicine and the students will have access to all the facilities offered by the College, including the library which is open for consultation and study from 9 a. m. till 10 p. m. every day except Sunday. Demonstrations in practical embalming and funeral management will be furnished by members of the Nebraska Embalmers' Association resident in Omaha. In this way ample opportunity will be furnished for seeing practical work conducted in the most approved manner.

The following are the lecturers in addition to the faculty of the College of Medicine:

Mr. N. P. Swanson, Omaha
Mr. Walton Roberts, Lincoln
Mr. W. H. Dorrence, Omaha
Mr. George H. Brewer, Omaha
Mr. W. M. Hill, Hebron
Mr. Leo Hoffman, Omaha
Mr. Willis C. Crosby, Omaha
Mr. V. A. Matthews, Lincoln
Mr. M. F. O'Malley, Grand Island
Mr. John J. Larkin, Omaha

CERTIFICATE

When students have completed satisfactorily the courses as outlined they will receive a certificate. This certificate will be received by the Board of Embalmers of Nebraska in lieu of an examination for an embalmers license providing other legal requirements have been complied with.

REGISTRATION

Persons intending to take this course or desiring further information concerning it are requested to apply to Doctor I. S. Cutter, Dean, University of Nebraska College of Medicine, Omaha, Nebraska.

COURSES OF STUDY

Anatomy. This course is designed to cover the general structure of the human body in so far as it will be needed in connection with the special work of embalming. Lectures will be supplemented with laboratory work where the student will be made familiar with all the important regions by individual work on the cadaver. Time sixty hours. Poynter

Bacteriology and Sanitary Science—The development of bacteriological knowledge; the nature, size and shape of bacteria; the distribution of

bacteria in nature. The effects of bacterial growth in nature. Saprophytic bacteria and their relation to putrefaction and fermentation; soil bacteria; bacteria in the economy of nature. The growth and study of bacteria in the laboratory. Pathogenic bacteria; the causation of disease by bacteria; the paths by which disease producing bacteria enter the body. The modes of spread of pathogenic bacteria. The destruction of bacteria; disinfection and sterilization; the prevention of disease in the care of bodies and in the conduct of funerals. Bacteria and embalming. The prevention of infection in embalming.

Eggers, Myers

Pathology—The autopsy and the technic of its performance; preparation of the body after autopsy. The preservation of tissues; comparison of the effects of various chemicals and embalming fluids in tissue preservation. The pathological lesions of the more common diseases. The disposal of infected and infective material removed at autopsy. Lectures accompanied by lantern and demonstrations will be given on general questions of sanitation and public health of interest to the embalmer. Time sixty hours.

Eggers

Chemistry—This course will furnish beside a preliminary survey of the subject study of the elements and compounds of interest to students of embalming. The preservative action and disinfective properties of inorganic and organic compounds will be given detailed study and work in the laboratory will afford the student opportunity for intimate observation of their action. Time ninety hours.

Practical Embalming—This course will combine thru demonstration and quiz a detailed study of all the important questions connected with embalming and funeral management. Some of the topics receiving special attention will be cosmetic effects of different methods of embalming; causes of discolorations and methods of removal; handling of the body cavities; preparation of bodies for long shipments; prevention of molds; prevention of desiccation; care of contagious diseases; equipment and management of morgues; surgical and mutilated cases.

Professional Embalming and Funeral Management

1. Theory and practice of embalming: A quiz and demonstration course covering all phases of the work and uniting the theoretic and the practical. Twenty-four hours.

Mr. Leo Hoffman, Omaha

2. Cavity and arterial embalming. Four hours.

Mr. Willis C. Crosby, Omaha

3. Special and difficult cases; contagious diseases; surgical and mutilated cases; preparation for shipment; desiccation and mold and their prevention. Lectures and demonstrations, six hours.

Mr. W. H. Dorrence, Omaha

4. Funeral management. Lectures two hours.
Mr. Geo. H. Brewer, Omaha
Mr. N. P. Swanson, Omaha
 5. Management of case in home and morgue. Four hours.
Mr. M. F. O'Malley, Grand Island
 6. Legal aspects of embalming. Lectures four hours.
Mr. W. M. Hill, Hebron
 7. Rights of embalmer in relation to estates in Probate Court. Two hours.
Mr. John J. Larkin, Omaha
 8. The Profession of Embalming, its history, growth and relation to the public. Lectures two hours.
Mr. V. A. Matthews, Lincoln
- Opportunity for observation of the practice of embalming and funeral management as conducted by the leading licensed embalmers of the city will be afforded from time to time. This work will be bulletined at the college and other work of the students will be arranged so as not to conflict with these special cases.

FEES

A fee of \$40.00 must be paid at the time of registration to cover cost of instruction and laboratory expenses. At the close of the course examinations will be held and successful candidates will be given a certificate on which the Nebraska Board of Embalmers will issue a license without further examination, providing all requirements have been met. The usual fee for the state license is payable to the Nebraska Board of Embalmers.

MEDICAL WORK IN LINCOLN

The academic work preparatory to admission to the College of Medicine proper is done in the College of Arts and Sciences under the advice of the Dean of the College of Pharmacy.

The College of Pharmacy

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

RUFUS ASHLEY LYMAN, A. M., M. D., Dean of the College of Pharmacy and Professor of Physiology and Pharmacology. (*Head of Department of Physiology and Pharmacology.*) Nebraska Hall 7.

¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher. (*Secretary of the Faculties.*)

FLORENCE IRWIN MCGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*)

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology. (*Head of Department of Zoology.*)

WILLIAM GRANGER HASTINGS, A. B., Lecturer in Pharmaceutical Jurisprudence and Dean of the College of Law. Law Building.

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*) Nebraska Hall 302.

BENTON DALES, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*) Chemical Laboratory.

JAMES EDWARD LE ROSSIGNOL, Ph. D., LL. D., Director of the School of Commerce and Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*) University Hall 101.

RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*) Curator of the Herbarium. Nebraska Hall 102a.

FRANKLIN DAVIS BARKER, Ph.D., Professor of Medical Zoology and Parasitology.

GEORGE BORROWMAN, A. M., Associate Professor of Chemistry. Chemical Laboratory.

LEVA BELLE WALKER, A. M., Associate Professor of Plant Pathology. Nebraska Hall 103.

OSCAR ROSS MARTIN, A. M., Associate Professor of Accounting and Business Administration. University Hall 103.

FRANCIS JOSEPH PERUSSE, B. Sc., Ph. C., Assistant Professor of Pharmacy.

ELSIE DAY, A. B., Ph. G., Assistant Professor of Pharmacognosy. Nebraska Hall 7.

MARY LOUISE FOSSLER, A. M., Assistant Professor of Chemistry. Chemical Laboratory.

NIELS PETER HANSEN, Lecturer in Commercial Pharmacy.

¹Resigned

CLARENCE JACKSON FRANKFORTER, A. M., Assistant Professor
of Chemistry. Chemical Laboratory.

GARLAND EDISON LEWIS, B. Sc., A. M., Instructor in Chemistry.
Chemical Laboratory.

HARRY LANDIS THOMPSON, B. Sc., A. M., Assistant Instructor in
Pharmacy and Physiology.

EDNA MILLER GISH, A. M., Fellow in Chemistry. Chemical Lab-
oratory.

ORGANIZATION

The interest in professional circles concerning the manufacture, dispensing and sale of drugs, poisons, and synthetics, together with the passage of the Food and Drugs Act, has placed upon pharmacy, pharmaceutical chemistry, and allied subjects, an importance never before enjoyed. The demand for skilled pharmacists was never so great as at the present time. The training as well as the general and technical knowledge demanded of applicants for positions by pharmacists, manufacturers, and the government is rapidly increasing. Thus while positions and opportunities in pharmaceutical work are on the increase, thorough, scientific training in the fundamental subjects has become imperative.

In view of these facts, the University, in the spring of 1908, organized the School of Pharmacy. The Legislature in the spring of 1915 erected the College of Pharmacy. The purpose of the College is to give the best possible general and technical training in order that students may become responsible dispensers, pharmaceutical manufacturers, food and drug inspectors and analysts. Further, the University desires to co-operate with the professional men of the state in their efforts to improve and maintain professional standards in the interest of public health.

GROUPS AND DEGREES

Three groups of studies are offered, as follows:

1. **A Two-year Group**, leading to the degree of Graduate of Pharmacy (Ph.G.), which prepares directly for drug store and dispensing practice and provides the groundwork in analytical chemistry necessary for the drug business and the various phases of pharmaceutical manufacturing.
2. **A Three-year Group**, leading to the degree of Pharmaceutical Chemist (Ph. C.), giving the student a broader foundation and preparing him for a wider field of action. Its graduates are prepared to do analytical work for physicians or the public, to enter either the analytical or biological laboratories of the large manufacturing concerns, and to fill the government positions made necessary by the passage of the Food and Drugs Act.
3. **A Four-year Group**, academic and professional, leading to the degree Bachelor of Science in Pharmacy. This course includes all the technical work of the two-year course with the privilege of election from the three-year course. Students completing this course are prepared to do graduate work, and if they so desire, may seek the degrees of the Graduate College.

Students registered in the College of Pharmacy for degrees in Pharmacy, but who wish to study medicine later, may arrange their courses so they can complete the work required for the study of medicine while pursuing the courses in Pharmacy.

ADMISSION TO THE COLLEGE OF PHARMACY

Credentials which are accepted towards admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College of Pharmacy, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given under "Admission by Certificate," below, and in the subjects for the amount indicated under "Entrance Subjects," below.

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours¹ and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

Admission by Certificate

Applicants for admission to freshman standing may be admitted (1) by certificate and (2) by examination.

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point* is essential:

Required Subjects	Points
English.....	4
History (European) (a).....	2
Language (foreign) (b).....	6 to 4
Mathematics (algebra and geometry) (b).....	4 to 6
Science (laboratory).....	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school.....	12
Total.....	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with a minimum of four points in either.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other Universities or Colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for freshman standing. No person is permitted to abuse the privilege of registration as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration week each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A like fee of \$3 is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80%

during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

REQUIREMENTS FOR GRADUATION

The requirements for the various degrees given by this College are as follows:

1. The moral character of the candidate must be unquestioned.
2. He must have complied with all the requirements of admission and have paid all fees.
3. He must have completed all required courses and have passed satisfactory examination in all required subjects in the curriculum.
4. His last year's work must be taken in this institution.

Experience in the business of pharmacy is not made a requirement for a degree.

EQUIPMENT

The laboratories of the University are well equipped with all the essential apparatus for giving the most thoro instruction. A more or less detailed description of the equipment is given under the description of courses by the various departments.

Libraries. The following libraries, aggregating 294,000 volumes, are accessible to students in Lincoln: The University Library of 116,000 volumes is strong in those scientific lines wherein lies the work of the student of pharmacy. It includes special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine. The Lincoln City Library, of 36,600 volumes, also has an alcove devoted exclusively to medical and pharmaceutical literature. The State Library of 79,000 volumes at the Capitol includes valuable pharmaceutical works in certain lines. The Nebraska State Historical Society Library of 62,000 volumes contains useful series of public documents, such as reports of state boards of health and of state hospitals, pharmaceutical associations, and other institutions.

THE PHARMACEUTICAL SOCIETY

The Pharmaceutical Society is an undergraduate organization, the object of which is to bring the students into contact with the leading professional

men of the state and elsewhere, and to promote the athletic and social life of the students. Membership in it is open to all students in the College of Pharmacy.

THE PHARMACEUTICAL GARDEN

The College of Pharmacy has a medical plant garden upon the University campus which is used for teaching and experimental purposes. About one hundred and twenty-five species of the more important drug plants are now being cultivated in the garden and twenty-five species of tropical drug plants are growing in the University greenhouses. This garden has proven that such important drug plants as digitalis, stramonium, and belladonna can be grown in Nebraska and yield a high per cent of physiologically active principles. This garden offers opportunities for study and investigation which are not duplicated in any place where the climatic conditions are like those in Nebraska.

PRIZES

Mr. N. P. Hansen, of Lincoln, offers an annual prize of a gold medal to the senior who has obtained the highest general average during his entire course. This prize is offered only to those students registered in the three and four year groups and all of whose work has been taken in this institution.

Mr. Smith C. Wilson, of Lincoln, offers an annual prize of a membership in the American Pharmaceutical Association to the graduate of the College of Pharmacy who passes the examination of the State Board of Pharmacy with the highest average. The examination must be taken during the calendar year in which graduation occurs.

The Fairchild Scholarship

Mr. Samuel W. Fairchild, of New York City, offers a scholarship annually amounting to \$300.00 in cash, to the high school graduates of the United States who wish to follow pharmacy as a vocation. Competitors for this scholarship must have had a four year high school course, must have had two years practical experience in pharmacy, and must take an examination in elementary chemistry, elementary materia medica, practical pharmacy and prescription reading, and elementary business knowledge. The examinations will be held annually at the University on the 25th of June. Any one desiring to compete should address the Dean at once.

PHARMACY WEEK

The second week in May of each year is known as Pharmacy Week. During this week the activities of the College of Pharmacy are placed before the general University Community and the Public. At this time the Nebraska Board of Pharmacy gives its quarterly examinations in the

laboratories of the College of Pharmacy and many prominent druggists from various parts of the state are present. For the annual Pharmacy Convocation on Thursday of this week, the University brings to Lincoln a pharmacist of national reputation. In 1914 this address was given by Dr. W. J. Teeters, Dean of the College of Pharmacy of the University of Iowa and Secretary of the American Conference of Pharmaceutical Faculties. In 1915 it was given by Dr. T. J. Wulling, Dean of the College of Pharmacy of the University of Minnesota and President of the American Pharmaceutical Association, and in 1916 it was given by Dr. Edward Kremers of the University of Wisconsin. In May, also, many of the plants in the drug plant garden have developed a good growth, making this week an excellent time for druggists and any others interested in pharmaceutical activities of any kind to visit the College of Pharmacy.

THE SUMMER SESSION

In the Summer School, courses are offered in general, organic, manufacturing and analytical pharmacy, general and analytical chemistry, physiology, botany and zoology. If a student devotes all of his time to any two of these subjects it is possible for him to complete a year's work in these subjects in one Summer Session.

STANDING

The College of Pharmacy is a member of the American Conference of Pharmaceutical Faculties. The membership of the Conference is limited to the best American Schools as determined by their standards for entrance and graduation. The credits of the College of Pharmacy are recognized by all first class schools of Pharmacy and by all state examining boards. In Kansas, graduates of this institution are registered upon their diploma.

GENERAL UNIVERSITY PRIVILEGES

Students in the College of Pharmacy have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military Science is also offered.

FEES AND EXPENSES

Fees. All fees and charges are payable in advance to the Secretary of the University. The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with

the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The schedule of fees in the College of Pharmacy is as follows:

Matriculation fee (payable on entering each college).....\$5.00

Being statutory this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.

Diploma fee..... 5.00

Registration (late registration)..... 3.00

Library..... 1.00

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

TUITION FEE

Tuition, first semester.....\$20.00

Tuition, second semester..... 15.00

Tuition, summer session..... 10.00

For special examination, one subject..... 1.00

A pro rata tuition of not less than \$5 a semester is charged to unclassified or Adult Special students.

Students taking the three year course will pay the regular tuition the first two years and \$10 per semester the third year. Students taking the four year course will pay the regular tuition the first two years and \$10 per semester the last two years. Beginning in the fall of 1919 a flat tuition fee of \$35 per year will be charged for all groups.

LABORATORY FEES

Bacteriology

Courses 2a, 3, 4.....\$5.00

Botany

Courses 1, 2, 21, 22..... 2.00

Courses 13, 14..... 1.00

Courses 19, 20..... 3.00

Chemistry

Courses D, 1 and 2 combined, 3..... 10.00

Course 14..... 6.00

Courses A, B, 1, 2, 21, 34..... 5.00

Courses 19, 20.....	4.00
Courses 7, 8, 22, 39, 40 (per credit hour).....	1.00
Courses 5, 15, 16, 27, 41.....	2.00
Pharmacy	
Courses 21, 22, 23, 24.....	7.00
Course 52.....	3.00
Courses 28, 51, 55, 56.....	6.00
Courses 25, 26, 53, 54.....	5.00
Courses 35, 36, 37, 41, 42, 43, 60 (per credit hour).....	2.00
Physiology and Pharmacology	
Courses 1, 2.....	5.00
Course 8.....	8.00
Course 10.....	2.00
Courses 19, 20 (per credit hour).....	2.00
Zoology	
Courses 13, 14.....	2.00
Course 15.....	3.00

Expenses. In Lincoln, board and lodging may be secured in private families for about \$5 a week. There are also numerous student clubs. A list of boarding places is kept by the University Y. M. C. A. who also maintains an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GROUPS OF STUDIES

Two-year Group, leading to the degree of Graduate in Pharmacy (Ph. G.).

FIRST YEAR	1st Semester	2d Semester
	Hours	Hours
Zoology 15.....	3	
Chemistry D.....	4	
Chemistry 1, 2 (combined course).....		5
Pharmacy 21, 22.....	3	3
Pharmacy 27.....		1
Physiology 1, 2.....	3	3
Botany 1, 2.....	3	3
	<hr/>	<hr/>
	16	15

SECOND YEAR	1st Semester	2d Semester
	Hours	Hours
Bacteriology 2a.....	2	
Chemistry 3 (Organic).....	5	
Pharmacy 23, 24.....	3	3
Pharmacy (Pharmacognosy) 51, 52.....	5	2
Pharmacy 25.....		2
Physiology and Pharmacology 8.....		5
Pharmacy (Prescriptions and Dispensing) 28.....		3
Pharmacy (Store Management) 30.....		1
Pharmacy 33, 34 (Seminar).....	1	1
Pharmacy (Pharmaceutical Jurisprudence) 32.....		
	16	17

Three-year Group, leading to the degree of Pharmaceutical Chemist (Ph. C.). The studies for the first two years are the same as in the preceding course. The work of the third year is elective. The student may select work to the extent of 18 hours each semester from the advanced courses enumerated under the courses of instruction. For those who intend to enter business, attention is called to the fact that in the third year of the three year course the major part of the work may be selected from the courses offered by the department of Economics and Commerce. This selection, however must be made after consultation with the Dean and the members of the faculty concerned.

Four-year Group leading to the degree of Bachelor of Science in Pharmacy (B. Sc. in Pharm.). Details in regard to the non-technical courses which appear in this schedule, such as rhetoric, should be secured from the announcement of the undergraduate colleges.

FIRST YEAR	1st Semester	2d Semester
	Hours	Hours
Pharmacy 21, 22.....	3	3
Chemistry 1, 2.....	3	3
Botany 1, 2.....	3	3
Foreign Language.....	5	5
Rhetoric 1, 2.....	2	2
¹ Military Science (men), Physical Education (women). 1	1	1
	17	17

¹Four semesters of physical training, each giving one hour of credit, are required of women. Four semesters of Military Science, each giving one hour of credit; are required of men.

	1st Semester	2d Semester
	Hours	Hours
SECOND YEAR		
Pharmacy 23, 24.....	3	3
Pharmacy 25.....		2
Pharmacy 27.....		1
Chemistry 3 (Organic).....	5	
Zoology 13, 14.....	3	3
Electives.....	5	5
Military Science (men), Physical Education (women) ..	1	1
	17	15
THIRD YEAR		
Required Subjects		
Physiology 1, 2.....	3	3
Pharmacy (Pharmacognosy) 51,52.....	5	2
Pharmacy (Assaying, Volatile Oils or Crude Drugs) 35 or 36.....	2	
Pharmacy (Assaying, Patent Medicines) 37.....		2
Pharmacy (Store Management) 30.....		1
Pharmacy (Seminar) 33, 34.....	1	1
Pharmacy { Pharmaceutical Jurisprudence 32 } ..	2	
{ Bacteriology 2a }		
¹ Optional Subjects		
Choice of Pharmacy (Assaying and Manufactur- ing), Chemistry (Analytical or Organic), Eco- nomics (Money and Banking), Botany (Syste- matic or Physiological), or Physics.....	2	7
	15	16
FOURTH YEAR		
Required Subjects		
Pharmacology 8.....		5
Physiological Standardization.....	2	
Pharmacy (Prescriptions and Dispensing) 28....		3
Pharmacy (Manufacturing) 41, 42 or 43.....	2	2
Pharmacy (Seminar) 33, 34.....	1	1
Optional Subjects		
Choice of Pharmacy (Assaying or Manufacturing), Physiological Assaying, Chemistry (Advanced Analytical, Organic, Physiological, or Food) Ac- counting, Commercial Organization, Botany (Systematic or Ecology) or Physics.....	10	3
	15	14

¹It is the intention to permit a liberal selection of subjects in the third and fourth years. Other subjects than those tabulated as "Optional" may be selected, e. g., advanced courses in Zoology. All selections must have the approval of the Dean.

COURSES OF INSTRUCTION

PHARMACY

Professor Lyman (*Head of Department*), Assistant Professor Perusse, Assistant Professor Day, Mr. Thompson, Mr. Hansen, Dean Hastings

General Pharmacy

21. **Pharmacy**—An introductory course in pharmacy consisting of a study of weights, measures, specific gravity, vaporization, desiccation, distillation, sublimation, comminution, separation of fluids from solids, filtration, clarification and decoloration, precipitation, crystallization, separation of immiscible liquids, granulation, exsiccation, dialysis, extraction, expression, percolation, etc., and all elementary processes used in the preparation of medicines. Three hours attendance. Four hours laboratory. Three hours credit. First and second semesters and summer session.

Perusse

22. **Galenical Preparation**—A study of the pharmacopoeial preparations of waters, syrups, spirits, elixirs, ethereal solutions, liniments, oleates, infusions, decoctions, tinctures, fluid extracts, solid extracts, etc. Three hours attendance. Four hours laboratory. Three hours credit. Second semester and summer session.

Perusse

23. **Official Inorganic Preparations**—A course of study of the official inorganic compounds and preparations. The lectures cover the history, method of preparation, physical and chemical properties, and uses in pharmacy, of such substances as inorganic acids, bases, and salts. The laboratory consists of work in assaying the inorganic acids, bases, salts, and preparations; special tests, and a series of pharmaceutical assay problems. Three hours attendance. Four hours laboratory. Three hours credit. First semester.

Thompson

24. **Official Organic Preparation**—A course of study of the official compounds. The lectures include history, methods of preparation; chemical and physical properties and uses in pharmacy of cellulose and its derivatives, coal tar and its derivatives, starches, sugars, and gums, alcohol and its derivatives, organic acids, fixed and volatile oils, alkaloids, glucosides and animal products. The laboratory work is a course in identifying the alkaloids, the assay of certain fixed and volatile oils, and the assay of alkaloidal drugs; and a series of organic pharmaceutical problems. Three hours attendance. Four hours laboratory. Three hours credit. Second semester.

Thompson

25. **Pharmacy**—An advanced course supplementing course 22 and dealing with the study and manufacture of the standardized tinctures, fluid extracts, emulsions, pill masses, and the more complex galenicals of the Pharmacopoeia and National Formulary. Two hours attendance. Four to

twelve hours laboratory. Two to five hours credit. First and second semesters. Perusse

26. **Pharmacy**—A laboratory course intended to familiarize the student with the fundamental processes in pharmacy. Primarily for medical students. Two hours attendance. Three hours laboratory. Two hours credit. Second semester. Lyman, Day

27. **History of Pharmacy**—One hour attendance. One hour credit. Second semester. Lyman

28. **Prescriptions and Dispensing**—A detailed study of the prescription and the art of dispensing and compounding. Three hours attendance. Four hours laboratory. Three hours credit. Second semester. Perusse

30. **Store Management**—A series of lectures on general store management. One hour attendance. One hour credit. Second semester. Hansen

32. **Pharmaceutical Jurisprudence**—A series of six lectures concerning the legal status of the pharmacist. Second semester. Hastings

33. **Pharmacy Seminar**—A review of current pharmaceutical literature. One hour attendance. One hour credit. May be registered for more than once. First semester. Lyman

34. **Pharmacy Seminar**—35 continued. One hour attendance. One hour credit. May be registered for more than once. Second semester. Lyman

Assaying¹

35. **Assay of Fixed and Volatile Oils**—A course in complete analyses of U. S. P. fixed and volatile oils, determining physical constants, tests for identification and impurities, and methods of assay of the chief constituents. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First semester. Thompson

36. **Crude Drug Assay**—An advanced course in the assay of crude drugs and their official preparations. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First semester. Thompson

37. **Assay of Patent Preparations**—A course in the assay of emulsions, ointments, tooth washes, solid and powdered extracts, pills, powders, liniments, suppositories, digestive mixtures, and patent medicines. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. Second semester. Thompson

Manufacturing

41. **Tablet Making**—A study of tablet and pill masses, including methods of triturating, mixing, granulating, drying, lubricating, coloring,

¹For Physiological Assaying see department of Physiology and Pharmacology.

compressing, and coating. One hour attendance. Five hours laboratory. Two hours credit. Second semester. Day

42. **Dental and Toilet Preparations**—A study of the various bases used, the cleansing and antiseptic properties of, and the methods of coloring, perfuming and preserving used in the manufacture of pastes, creams, soaps, washes, powders, pomades, shampoos, etc. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. Second semester. Day

43. **Domestic Pharmaceuticals**—A study of the methods of manufacture of blueings, blackings, inks, washing powders, furniture dressings, metal polishes, insecticides, and disinfectants. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First semester. Day

Pharmacognosy

51. **Pharmacognosy**—A study of crude and powdered drugs including their history, classification, constitution and means of identification. Five hours attendance. Eight hours laboratory. Five hours credit. First semester and summer session. Day

52. **Pharmacognosy**—51 continued. Two hours attendance. Four hours laboratory. Two hours credit. Second semester and summer session. Day

53. **Spices and Foods**—The pharmacognosy of spices and foods and their adulterations. One hour attendance. Four hours laboratory. Two hours credit. First semester. Day

54. **Narcotics**—The pharmacognosy of the plants and plant products included under the Harrison Law. One hour attendance. Four hours laboratory. Two hours credit. Second semester. Day

55. **Drug Plant Culture**—A study of the methods of drug plant culture designed to give the student the method of procedure for cultivating drug plants in Nebraska. It involves a study of soil and climatic conditions, methods of planting, propagating, cultivating, curing and harvesting. One hour attendance. Eight hours laboratory. Three hours credit. First semester and summer session. Lyman

56. **Drug Plant Culture**—55 continued. Second semester. Lyman

60. **Advanced Pharmacognosy**—Investigation of special problems in the morphology of physiology of drug plants. First and second semesters and summer session. Day

PHYSIOLOGY AND PHARMACOLOGY

(See later pages of this Catalog)

The Teachers College

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)

¹VANCIL KELSO GREER, LL. B., Registrar and University Publisher. (*Secretary of the Faculties.*)

FLORENCE IRWIN McGAHEY, A. B., Acting Registrar and University Publisher. (*Secretary of the Faculties.*)

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Professor of Education and Dean of the Graduate School of Education. (*Head of Department of Education.*)

HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)

ALBERT ALISON REED, A. M., Inspector of Accredited Schools, Professor of Secondary Education. (*Head of Department of Secondary Education.*)

HARRY ELWYN BRADFORD, A. B., Professor of Secondary Agricultural Education and Principal of the School of Agriculture. (*Head of Department of Secondary Agricultural Education.*)

ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences and Professor of Mathematics. (*Head of Department of Mathematics.*)

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology. (*Head of Department of Zoology.*)

LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)

RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)

JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)

FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)

WILLIAM FRANCIS DANN, A. M., Professor of the History and Criticism of the Fine Arts. (*Head of Department of the History and Criticism of the Fine Arts.*)

¹Resigned.

- PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)
- RAYMOND GUSTAVUS CLAPP, Ph. B., M. D., Professor of Physical Education and Director of the Men's Gymnasium. (*Head of Department of Physical Education.*)
- GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)
- ALICE MARIE LOOMIS, A. M., Professor of Home Economics. (*Head of Department of Home Economics.*)
- CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)
- SARKA HRBKOVA, A. M., Professor of Slavonic Languages. (*Head of Department of Slavonic Languages.*)
- NELS AUGUST BENGTON, A. M., Professor of Geography and Conservation.
- INA ESTELLE GITTINGS, A. B., Associate Professor of Physical Education and Director of the Women's Gymnasium.
- CARRIE BELLE RAYMOND, Director of Music.
- RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Physiology and Pharmacology and Dean of the College of Pharmacy. (*Head of Department of Physiology and Pharmacology.*)
- PAUL HENRY GRUMMANN, A. M., Professor of Modern German Literature and Director of the School of Fine Arts.
- HUTTON WEBSTER, Ph. D., Professor of Social Anthropology.
- ¹CHARLES WILLIAM TAYLOR, A. B., Professor of School Administration and Principal of Teachers College High School. (*Head of Department of School Administration.*)
- ¹HERBERT BROWNELL, B. Sc., Professor of Sciences in Secondary Education. (*Head of Department of Sciences in Secondary Education.*)
- ¹FREDERICK AMES STUFF, A. M., Litt. D., Professor of English Language and Literature. (In charge of Methods of Instruction in English in Teachers College High School.)
- ¹CLARK EDMUND PERSINGER, A. M., Professor of American History.
- ¹FREDERICK WARREN SANFORD, A. B., Associate Professor of Roman History and Literature.
- ¹DAISY JEANETTE NEEDHAM, A. M., Assistant Professor of European History.

¹Members of the University Faculty who direct practical courses in the Teachers College High School.

¹CORA BELLE HILL, A. M., Assistant Principal of the Teachers College High School and Assistant Professor of Methods of Instruction in Mathematics.

¹LETTA MAY CLARK, A. M., Assistant Professor of Methods of Instruction in English.

MATTIE ALLEN, A. M., Instructor in Primary Education.

SARAH AGNES RYAN, A. M., Instructor in the Teaching of German in the Teachers College High School.

CLARA JEANETTE NELSON, A. B., Instructor in the Teaching of Geography and Botany in the Teachers College High School.

GERTRUDE BEERS, Instructor in Shorthand and Stenography in the Teachers College High School.

EDNA OGDEN, Supervisor of Assembly Room in Teachers College High School.

RALPH MERTON MARRS, A. B., Fellow in Educational Theory and Practice.

STANDING COMMITTEES

Course of Study—Professors Fossler (*Chairman*), Lees, Reed, Taylor, Stuff.

Schedule—Professors Conklin, Luckey, Wolcott, Brownell, The Registrar.

Advanced Standing—The Chancellor, the Dean, and the Inspector of the Accredited Schools.

Teachers Certificates—The Chancellor, Professors Fordyce, Davis, Reed, Stuff, Taylor, Lees, The Registrar (*Secretary*).

Credits on University Teachers' Certificates—Dean Davis, Professor Grummann, and the Registrar.

Bureau on Recommendation of Teachers—Dean Fordyce, and Professors Condra, Brownell, Persinger, Reed, Taylor, Luckey, and Wolfe.

Nominations—The Chancellor, the Dean.

¹See foot note (1) p. 299.

THE TEACHERS COLLEGE

On February 14, 1908, the Board of Regents erected the University Department of Education into a Teachers College. This action was confirmed by an act of the state legislature in 1909.

The aim of this College is, while dealing with the history, theory and practice of teaching generally, to improve the quality of secondary teaching in particular, and to provide thoroly prepared teachers for the secondary schools. The Teachers College aims to provide for the following classes of students:

(1) Well advanced and ambitious teachers wishing preparation for school principalships and superintendencies. They may or may not wish the University Teachers' Certificate, may or may not care to work for advanced degrees.

(2) College students intending to teach, who wish the Bachelor's degree with the University Teachers' Certificate. Such candidates register in this College in the Sophomore year, specializing in education, and proceed as laid down under "Requirements for Graduation." The requirements for the Certificate are found under the caption "University Teachers' Certificate" on a later page.

(3) Men and women of college grade who design to teach agriculture in high schools. For these a solid one-year course is provided (see below), parts of which may, however, under advice, by such as so desire, be used with the more general studies toward a degree.

(4) Men and women not necessarily possessing so high attainments who call for preparation to teach agriculture in grade or rural schools. The Dean will arrange a year of work carefully adapted to the wants of these.

(5) Persons preparing to teach special branches, such as physical or manual training, home economics, the fine arts, etc. See the special one-year curricula listed below.

(6) Mature teachers in any department wishing by a longer or shorter period at the University to review studies, familiarize themselves with new methods, or master new branches. Such teachers should consult the Dean. They will find a year or even a semester of properly chosen work of great value.

The Dean of the Teachers College is also ex-officio head of the Bureau on Recommendation of Teachers. This College is also charged with the study of developing the work of instruction in agricultural pedagogy made possible by the so-called "Nelson Amendment" which became a law at the end of the 59th congress. The Teachers College High School and the School of Agriculture serve as model secondary schools to the Teachers College.

ADMISSION TO THE TEACHERS COLLEGE

Candidates for admission to the Teachers College must have completed and have credit for the first year of collegiate work. This credit must be preceded by the pre-collegiate preparation (30 points¹) afforded by a four years' course in an accredited high school.

Advanced Standing—Applicants from other institutions of approved standing who offer collegiate courses or professional courses in excess of the requirements for admission will be assigned such advanced standing as may be determined by the Committee on Advanced Standing.

Registration—Students register in this College in the Sophomore year, at the same time retaining identity in another college of the University which grants the degree of Bachelor of Arts or of Science simultaneous with the granting of the Teachers College Diploma and the University Teachers' Certificate by the Teachers College. Thus thruout the Sophomore, Junior and Senior years the student is registered in two colleges.

Registration in the Teachers College takes place on the same days and under the same conditions as in the College of Arts and Sciences.

Advisers—The Dean of the College is the general Adviser for students in this College. The board of advisers in this College consists of the Dean and members of the faculty. The general system accords with the plan obtaining in the College of Arts and Sciences.² All candidates for the Diploma and for the University Teachers' Certificate should consult the Dean before registering, that the grouping and correlation of their studies may be properly fixed. Special information concerning majors and minors in which the candidate wishes to specialize may be obtained from the heads of the departments concerned.

Fees in the Teachers College are the same as those in the College of Arts and Sciences, except that graduates taking the University Teachers' Certificate are charged an additional certificate fee of \$2.00.

REQUIREMENTS FOR GRADUATION

University Credits (62 hours)—Of the 125 University credit hours³ required for the degree of Bachelor of Arts or of Bachelor of Science, at least 62 credit hours shall be in the Teachers College.

The candidate is enrolled at the same time in the Teachers College and in the college in which the major academic work for his degree is sought, being subject to the faculty of the latter college for his academic course and to the former for his professional. He must complete the required subjects in the college in which he takes his degree and, as optional subjects, the professional requirements of the Teachers College.

¹For the definition of a credit "point," see page 114.

²See page 118.

³An "hour" is given for each one hour resitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

No student is recommended for a degree who, at the beginning of his last semester, is not within eighteen of the 125 hours required for graduation.

College Professional Requirements

Each candidate for graduation from the Teachers College is absolutely required to complete the following professional subjects in addition to those required in the college which grants the bachelor's degree.

A. For Teachers College Diploma and University Teachers Certificate:

	Hours
Psychology.....	6
Education (professional or technical work).....	15
Education 1, 2.....	6
Education 7 or 16.....	3 or 2
Education 19, 20, or 21.....	3 or 2
Educational Electives.....	4 or 3
Major and Minor subjects (specialization).....	40

The professional courses should be taken in the following sequence: Psychology and History of Education in the Junior year, Child Study in the Senior year or in the last half of the Junior year, Educational Theory and Practice in the Senior year.

No major subject may be less than 24 hours, and no minor subject less than 12 hours. The 40 hours may be divided between one major and one minor, or three minors. Major and minor subjects should be closely allied.

B. For Teachers College Diploma and First Grade State Certificate:

	Hours
Philosophy.....	3
Education.....	12

The following courses are recommended:

Philosophy 3.....	3
Education 2.....	3
Philosophy 16.....	2
Education 35.....	2
Education 37.....	1
Education 21.....	2
Education 23.....	2

Specialization—Each candidate must make a study of a group of at least two subjects (giving 12 to 16 hours each) chosen as the field of in-

struction, the amount and character of the work to be determined by the Dean of the College and the Teachers' Certificate Committee.

Departmental Requirements for major and minor recommendations for the University Teachers' Certificate may be found at the beginning of departmental exhibits under "Courses of Instruction."

Residence—At least one year's resident work is required of all candidates for graduation from the Teachers College.

THE UNIVERSITY TEACHERS' CERTIFICATE

The University Teachers' Certificate is granted only to students registered in the Teachers College and only to those who (1) maintain an average of at least eighty (80) per cent in the group of subjects to be taught and a high average in all other subjects in the collegiate course, (2) show special fitness for teaching. As indicated in the extract from the Nebraska certification laws quoted below, it entitles its holder to teach in any high school in Nebraska and is valid in many other states; after three years' successful experience in teaching it may be converted into a life certificate by the endorsement of the state superintendent.

The special requirements for this certificate are: (1) The candidate must hold the bachelor's or the master's degree from this University. (2) The completion of non-professional or specialized work amounting to at least 40 hours, divided between a major and a minor or among three minor subjects which the student expects to teach, the ultimate decision as to the student's proficiency resting with the Certificate Committee. The major subject shall be from 24 to 32 hours and the minor from 12 to 16 hours. (3) Professional Knowledge—The completion of 15 hours in Education, and 6 hours in Psychology. Among the 15 hours of Education required the student may elect a two-hour course in special methods in his major subject; such course must, however, meet the approval of the head of the department of Educational Theory and Practice.

Regents' Rules Regarding University Teachers' Certificates—

(1) Each candidate for a teachers' certificate shall submit to the State Superintendent of Public Instruction, for his approval, a detailed report showing the academic and professional preparation of the candidate, including both secondary and collegiate courses, properly authenticated by the Registrar of the University of Nebraska and the Dean of the college in which the student is matriculated. (2) Teachers' certificates issued by the University of Nebraska shall contain a full record showing the amount and the character of the student's work, secondary and collegiate, as shown by the records of the Registrar's office.

For intending teachers of such technical subjects as Agriculture, Domestic Science (Home Economics), Manual Training, Physical Education, Music, etc., special provision is made, under the new certification laws for supervisors in high schools and in the grades.

Certification Committee—All general questions relating to the student's work for the University Teachers' Certificates are under the supervision of the Committee on Teachers' Certificates as named in the standing committees of the Teachers College. Recommendations for the certificate are made to the Faculty of the Teachers College thru this committee.

Bureau on Recommendation of Teachers—The University maintains a bureau under the direction of a committee, to assist students and graduates in securing positions as teachers and at the same time to aid superintendents and boards of education in providing schools with competent and suitable teaching talent. For information address the secretary of the Bureau on Recommendation of Teachers.

NEBRASKA CERTIFICATION LAWS

The laws of the State of Nebraska concerning the certification of teachers contain the following provisions:

University Professional State Certificate—"That all graduates of the University of Nebraska holding a degree of bachelor of arts or bachelor of science, and in addition thereto, certificates authorized by the board of regents showing that such graduates have completed the course of instruction prescribed by the regents and faculty of said university, for the special training and instruction of teachers, and such other graduates as hold the same degrees from any college or university duly incorporated under the laws of the State of Nebraska, who, in the judgment of the state superintendent of public instruction, have completed in their respective institutions an equivalent of the courses in the state university, for said degrees prescribed by the regents and faculty of said university, shall be accredited as qualified teachers within the meaning of the school law of this state; and all such graduates shall have equal privileges, upon equal conditions, with graduates from any and all other educational institutions within this state under the school law thereof. Said certificates are hereby declared to be valid as certificates of the first grade to teach in the public schools of the State of Nebraska for a period of three years from their date." (Sec. 1a, subd. IX, S. L. 1905.)

University Life Certificate—"After three years of actual teaching, the certificates of the graduates of the University of Nebraska, or of any other college or university mentioned or described in section 1a of this act, shall be countersigned by the state superintendent of public instruction upon satisfactory evidence that the services of the applicant have been successful; provided, that said counter-signature may be cancelled and its legal effect annulled by the superintendent of public instruction upon satisfactory evidence of disqualification; provided, further, that such certificates shall be subject to the provisions for lapsing set forth in Section 4, Subdivision

9, of Chapter 79 of the Compiled Statutes of Nebraska for the year 1899." (Sec. 1b, subd. IX, S. L. 1905.)

Second Grade City State Certificate—Candidates meeting full entrance requirements and completing two years of work (60 college hours) are, upon recommendation of the Dean of the Teachers College, granted by the State Superintendent of Public Instruction a Second Grade City State Certificate. The course for this certificate includes at least one semester's work in each of the following: Psychology, Observation and Criticism, Educational Theory and Practice, the curriculum of the elementary school, The Teaching of Reading, Methods of Instruction in Elementary English, in Geography, in Nature Study and in Drawing.

First Grade County Certificate Without Examination on College Graduation, with Experience or Professional Training—"The county superintendent may, at his discretion, grant a first-grade certificate, without examination, to a graduate of a college, university, or state normal school, subject to such rules and regulations as may be prescribed by the state superintendent of public instruction." (Sec. 11, subd. IXa, S. L. 1911.) The following requirements have been prescribed by the state superintendent governing the issuance of this certificate: (1) One year's successful experience in teaching; or (2) four hours of school management; four hours in general methodology; and four hours in elective work in history of education, child study, school hygiene, educational psychology, or other pedagogical subjects.

County Certificate, with less than complete examination—"Graduates who have not had one year's experience or taken the aforesaid twelve hours in professional training will be required to take the regular teachers' examination in reading, arithmetic, grammar, geography, United States history, drawing, orthography, penmanship, mental arithmetic, and theory and art of teaching. Graduates who cannot present college or university credit in algebra, botany, geometry, physics, agriculture, civics, English composition, bookkeeping and physiology, equal to that required at the University of Nebraska for full entrance to the freshman year in the institution, will be required to take in addition the regular teachers' examination in said subjects."

THE TEACHERS COLLEGE HIGH SCHOOL

The High School—The Teachers College High School is an accredited four-year high school approved by the North Central Association of Colleges and Secondary Schools. It is located in the University Temple and is a distinctive feature of the University Teachers College. Besides seven large class rooms and a commodious assembly hall, there are cloak and toilet rooms and ample library and laboratory equipment for a modern school. Here one hundred and fifty youths of high school rank are under the direction of the Head of the Department of Educational Theory and

Practice, a skilful and experienced principal, supervisors and assistant instructors.

Senior Observation and Practice in the High School—The High School first serves as a model secondary school for instruction according to the most advanced methods, and secondly as a laboratory for the study of practical problems in teaching and school administration. Seniors in the Teachers College are required to observe the conduct of the model school and to make a critical study of its educational aims, values and processes, the results of which are summarized and discussed in the class rooms. When the student has become familiar with the pedagogical work of the class observed he is required to select material and organize subject matter in lessons and assist in instruction; but in no case is a student teacher permitted to instruct in a subject that has not been made by him a major subject in University work.

A Tuition Fee of \$13.50 a semester is charged each pupil registered in the Teachers College High School.

Special Training Courses for Teachers—Several departments in the Teachers College also offer special methods in which they parallel their class-room theoretical work with practice work in the Training School. Such work is offered in the following subjects: Agriculture, Botany, Agronomy, American History, Chemistry, English Language and Literature, European History, Geography, Geology, German, Mathematics, Physics, Political Science, Roman History and Literature. See "Courses of Instruction."

Lincoln City Schools—In addition to this model Training School maintained and controlled by the Teachers College, excellent facilities for observation of expert teaching are afforded by the city schools of Lincoln.

DEPARTMENTAL METHODS COURSES

Many of the departments of the Teachers College offer special courses giving instruction as to methods of teaching the subject matter peculiar to those departments. With the approval of the head of the department of Educational Theory and Practice, two hours of such departmental method work in the student's major subject may be substituted for two hours of the required work in education. Courses of this kind offered for the current year may be found as follows: Under "Courses of Instruction;" Agricultural Education; American History 11; Botany 33 and 34; Chemistry 29; Economics 4; English Language and Literature 29, 30 and 31; European History 45 and 46; Fine Arts 1; Geography 5a, 7; Geology 4; German 19, 21; Greek 21 and 22; Greek History and Literature 17, 18; Home Economics 13, 14; Mathematics 9 and 9a; Music 3; Physical Education 17 and 18; Physics 15, 16; Physiology 1 and 2; Political Science 21, 35 and 36; Rhetoric 32; Roman History and Literature 43 and 44; Romance

Language 11 and 12; Secondary Education 37; Slavonic 15; Zoology 9 and 39.

REQUIREMENTS FOR THE UNIVERSITY TEACHERS' CERTIFICATE

For the University Teachers' Certificate, the following professional courses are required: 1, 2, 4 or 16, and 19 or 20 or 21; also, such additional work as will give a total of 15 hours in technical education. Among the latter requirements, the student may substitute a two-hour special methods course in the department of his major subject on the approval of the Dean. Intending teachers should at the time of registration confer with the Dean of the Teachers College, that the courses may be properly arranged for the University Teachers' Certificate or for the particular certificate sought.

SPECIALIZATION

Opportunities are offered students desiring to prepare for supervisors in such special subjects as domestic science, domestic art, the manual arts, drawing, music, physical education, agricultural education, commercial education and high school instructorships. These technical courses lead to the supervisor's city state certificate.

SPECIAL ONE-YEAR AND TWO-YEAR TEACHERS' COURSES IN TECHNICAL SUBJECTS

Special courses as follows may be arranged on consultation with Dean: Agriculture, Manual Training, Physical Training, Drawing and Modeling, Oral Reading, Public Speaking and Dramatic Interpretation. These are intended for high or normal school teachers and others preparing to become such, who, for any reason, find it impossible to take the full course for a bachelor's degree, which lays a more ample foundation. Those who enter any of these courses are presupposed to be able at least to meet the requirements for "Adult Special" registration.

EDUCATIONAL COURSES IN OTHER DEPARTMENTS

Agronomy 22; American History 11; Botany 33 and 34; Economics 4; English Language and Literature 29, 30, 31; European History 45, 46; Fine Arts 31; Geography 5a, 7; Geology 4; Greek History and Literature 17, 18, 21, 22; German 19, 21; Home Economics 13, 14; Mathematics 9, 9a; Music 3, 4; Physical Education 17, 18; Physiology 1, 2; Rhetoric 32; Roman History and Literature 43, 44; Romance Languages and Literatures 11, 12; Slavonic 15; Political Science 21, 35, 36; Zoology 9, 39.

COURSES OF INSTRUCTION

General Courses—The courses of instruction in the Teachers College run parallel in the first year with those of the College of Arts and Sciences, altho the curriculum may include groups from the other colleges according to the election of the candidate. The aim is to give the student a liberal academic training before he begins his technical studies. In order that the candidate for the University Teachers' Certificate may have a proper foundation for the professional subjects of the Sophomore, Junior and Senior years, the academic courses are selective and must follow a definite sequence. In general the courses are broadly educational rather than narrowly so. The exceptions are the subjects purposely pursued with intensive aim. See "Courses of Instruction" on later pages of this catalog.

Courses of Instruction

The College of Agriculture; The College of Arts and Sciences, Including the Schools of Commerce and Fine Arts; The College of Engineering; The Graduate College; The College of Law; The College of Medicine; The College of Pharmacy; The Teachers College

COURSES OF INSTRUCTION

Explanatory Note

Courses included between brackets [] are not given in 1917-1918. Students must consult advisers before registering.

AGRICULTURAL COURSES

AGRICULTURAL CHEMISTRY

Professor Upson (*Head of Department*), Professor Plum, Assistant Professor Calvin, Instructor Rabak, Assistants Anderson, Almy, Magnuson

The Department of Agricultural Chemistry occupies quarters in Experiment Station Hall. The main laboratories are devoted to general inorganic chemistry, elementary organic chemistry, qualitative and quantitative analysis and general agricultural chemistry. Several private laboratories are provided for instructors and advanced students engaged in research.

Two types of work are offered by the department of Agricultural Chemistry.

UNDERGRADUATE WORK

The first type comprises courses 100D, 100E, 101, 102, 103, 104 and 106. These courses are designed to meet the needs of the students in agriculture and home economics, who desire a working knowledge of chemistry prerequisite to work in soils, agronomy, botany, dairying, foods, nutrition, etc.

GRADUATE WORK

The second type of work is designed for graduates and undergraduates with the necessary training, who wish to specialize in one of the branches of Agricultural Chemistry with a view to teaching or taking up research work in colleges, experiment stations or industrial plants. Courses 105 to 132 are designed for this class of students.

The opportunities for graduate work leading to advanced degrees are excellent. In order to pursue successfully advanced work in Agricultural Chemistry students must have had thoro training in inorganic, organic, analytical and physical chemistry. Students intending to specialize in this department are urged to acquire this preliminary training as early in their undergraduate course as possible. A reading knowledge of French and German is also required.

Courses 105, 107 and 108 or their equivalent and courses 110 to 132 are required for the Master's degree. At least one year's resident work and the completion of a satisfactory piece of original investigation are also re-

quired. Students must also fulfill the general requirements of the University for the Master's degree.

PRIMARILY FOR UNDERGRADUATES

100D. General Inorganic Chemistry—Required of all freshmen in the College of Agriculture who present less than two points entrance credit in chemistry. It is the object of this course to give a definite idea of the fundamental laws of general chemistry as well as to present the more important facts concerning the non-metals and their compounds. Special attention is given to the relation of Chemistry to Agriculture and Home Economics. The lectures and recitations are illustrated by experiments. Three hours lecture and recitation. Six hours laboratory. Six hours preparation. Five hours credit. First semester. Plum, Almy

100E. General Inorganic Chemistry—Continuation of course 100D. The metals and their compounds. Some attention is given to elementary qualitative analysis during the latter part of the course. Three hours lecture and recitation. Six hours laboratory. Six hours preparation. Five hours credit. Plum, Almy

101. General Inorganic Chemistry—A less extended course than 100D, designed for those students who present two points entrance credit in chemistry. Two hours lecture and recitation. Four hours laboratory. Three hours preparation. Three hours credit. First semester.

Plum, Almy

102. General Inorganic Chemistry—101 continued. The latter half of the semester will be devoted to qualitative analysis. Prerequisite: Course 101. Two hours lecture and recitation. Four hours laboratory. Three hours preparation. Three hours credit. Second semester.

Plum, Almy

103. Elementary Organic Chemistry—The course comprises lectures and quizzes which are to a certain extent experimental and deals with the more important classes of compounds of both the aliphatic and aromatic series. The course is designed to meet the needs of the students in the College of Agriculture but serves also as a general introduction to more advanced work in organic chemistry. In the laboratory a number of simple organic compounds are prepared with a view to furnishing by the fewest illustrations possible, the largest variety of typical reactions and manipulations. Prerequisite: Course 100 E or 102 or equivalent. Three hours lecture. Six hours laboratory. Six hours preparation. Five hours credit. First semester.

Upson; Rabak

104. Biochemistry—The chemistry of carbohydrates, fats, proteins, colloids and inorganic food materials. The chemistry of enzyme action, the chemistry of digestion, metabolism and excretion, and the chemistry of human and animal nutrition are considered. This course is designed to

meet the needs of students in agriculture and home economics and presents the general principles of physiological chemistry as a foundation for practical work in human nutrition and animal feeding. Prerequisite: Course 103 or equivalent. Three hours lecture. Four hours laboratory. Five hours preparation. Four hours credit. Second semester.

Upson, Rabak

106. Agricultural Chemistry—Lectures, recitations and laboratory exercises on the applications of chemistry to agriculture. The chemistry of soils, fertilizers, plant products, fungicides and insecticides, etc., will be studied. Prerequisite: Course 103. Two hours lecture. Four hours laboratory. Three hours preparation. Three hours credit. Second semester.

Upson, Rabak

PRIMARILY FOR ADVANCED STUDENTS AND GRADUATES

105. Qualitative Analysis—A study of the methods and tests employed in qualitative analysis, followed by work in the qualitative examination of salts, minerals, alloys, soils and agricultural products. Prerequisite: Course 100E or 102 or equivalent. Should be taken with or following course 115. Eight hours laboratory. One hour recitation. Three hours credit. First semester.

Rabak

107. Quantitative Analysis—An introductory laboratory course in gravimetric and volumetric analysis. Primarily for students specializing in agricultural chemistry. Prerequisite: Course 105 or equivalent. One hour lecture. Eight to fifteen hours laboratory. Three to five hours credit. First and second semesters.

Plum

108. Special Methods of Quantitative Analysis—Water, gas, organic elementary analysis, electrolytic methods, special mineral. Prerequisite: Course 107 or equivalent. Nine to fifteen hours laboratory. Three to five hours credit. First and second semesters.

Upson or Plum

110. Analysis of Agricultural Products—A course in the quantitative analysis of grains, flour, fodders, fruits and dairy products. Prerequisite: Courses 101, 102, 103, 104 and 107 or their equivalent. One hour attendance. Eight to fifteen hours laboratory. Three to five hours credit. Second semester.

Upson or Plum

112. Analysis of Soils and Fertilizers—Prerequisite same as for course 110. Two to five hours credit, depending on amount of time spent. Second semester.

Upson or Plum

115. Theories of Solutions—Lectures and readings on the modern theories of solutions. The properties of colloids and of molecular solutions are considered in detail. Applications in other branches of chemistry and in other sciences are also considered. Prerequisite: Three semesters of chemistry and physics 11 and 12. Two hours lecture. Four hours reading. Two hours credit. First semester.

Upson

116. **Physical Chemistry**—Lectures, recitations and problems on the general properties of gases, liquids, solids and solutions. Reaction velocity and equilibria in homogenous and heterogenous systems. Some attention is given to the application of physico-chemical methods in the study of biological and soil problems. The laboratory work consists of exercises in physico-chemical measurements. Prerequisite: Physics 11 and 12 and quantitative analysis. Three hours lecture. Six hours laboratory. Six hours preparation. Five hours credit. Second semester. Plum

117. **Inorganic Preparations**—Laboratory exercises in the preparation of typical inorganic compounds. Some attention is given to compounds of agricultural and industrial importance. Prerequisite: General chemistry and quantitative analysis. Six to fifteen hours laboratory. Two to five hours credit. First semester. Plum

118. **Special Chapters in Organic Chemistry**—Lectures and readings on such topics as bivalent carbon, stereo isomerism, geometrical isomerism, electron conception of valence, carbohydrates and nitrogen derivatives. Prerequisite: Course 103 or equivalent and a reading knowledge of French or German. Two hours lecture. Two hours credit. Second semester. Upson

120. **Advanced Organic Preparations**—Preparation in the laboratory of a number of typical organic compounds. Special attention is given to methods, yield, and purity of product. Prerequisite: Courses 103 and 107 or equivalent and reading knowledge of German. Six to fifteen hours laboratory and reading. Two to five hours credit. First and second semesters. Upson

128. **Seminar in Agricultural Chemistry**—Discussion of problems and current literature of agricultural chemistry. Once a week thruout the year. Upson, Plum, Calvin, Rabak and Assistants

130. **Research in Soil Chemistry**—Five to ten hours credit. First and second semesters. Upson

132. **Research in Plant Chemistry**—Five to ten hours credit. First and second semesters. Upson

This department is also responsible for the courses in Chemistry in the School of Agriculture.

AGRICULTURAL EDUCATION

(See "Education Courses.")

AGRICULTURAL ENGINEERING

Professor Chase (*Head of Department*), Professor Seaton, Associate Professor Brackett, Assistant Professor Baer, Assistant Professor Sjogren, Mr. Runnalls

PRIMARILY FOR UNDERGRADUATES

1. **Carpentry**—Practice with the care, use and adjustment of tools, exercises in bench work, farm equipment and farm building construction. Open to all. Six hours laboratory. Two hours credit. First and second semesters. Baer

2. **Forge Work**—Practice in forging, welding, tempering, pipe fitting, babbitting, chipping, and repairing of farm machinery. Open to all. Six hours attendance. Two hours credit. Second semester. Runnalls

3. **Farm Machinery**—The practical study of all lines of agricultural implements, tillage, seeding, harvesting, threshing, and fertilizing machinery. Open to all. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First and second semesters. Brackett

4. **Farm Motors**—The practical study of farm motors, the horse, windmill, steam boilers, steam engines, traction engines, gasoline engines, electric motors. Open to all. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First and second semesters. Seaton

14. **Spraying Machinery**—The design of spraying outfits, practice with the gasoline engine, mixers and pumps, the study of nozzles. Must be taken in connection with Horticulture 5. Three hours laboratory. One hour credit. Second semester. Brackett

15. **Automobiles, Theory and Practice**—A study of automobiles, and other truck engines, ignition systems, carburetors, transmissions and differentials and the care and use of such machines. Open to all. Two hours attendance. Four hours preparation. Three hours laboratory. Three hours credit. First and second semesters. Seaton

17. **Advanced Forge Work**—2 continued. Special studies in welding with gas, in steel work and machine repairing. Prerequisite: Course 2. Six hours laboratory. Two hours credit. First semester. Runnalls

18. **Advanced Carpentry**—1 continued. Building construction, cabinet work and furniture making. Prerequisite: Course 1 or M. E. 1. Six hours laboratory. Two hours credit. Second semester. Baer

24. **Graphics**—Studies in graphic representation of data, curve plotting, curve analysis, blocking and diagramming data, etc. Open to all but planned especially for agricultural students. One hour attendance and preparation. Two hours drawing. One hour credit. Second semester. Chase

FOR WOMEN

31. Wood Work and Interior Finishing—Practice at the bench with light carpenter tools and the care of edged tools for the home. Work in the construction of furniture, painting, oiling, and finishing the same. Instruction in the designing, selecting and care of the interior finish. One hour attendance. Two hours practice. One hour credit. First semester.

Baer

33. House Planning—A course in house design. Lectures cover arrangement of rooms, heating, lighting, ventilation, plumbing, sewage disposal, water works, fireplaces, stairways, labor-saving devices, etc. To be taken in connection with Home Economics 9. One hour attendance. Two hours drawing. One hour credit. First semester.

Baer

FOR UNDERGRADUATES AND GRADUATES

5. Rural Architecture—The arrangement of farm buildings and the farmstead, preparation of plans for unimproved farms and for rearrangement and additions to buildings on improved farms. Design and production of working drawings for the various farm structures. Design of beams and columns, method of construction and use of materials in timber, masonry and reinforced concrete work. Engineers. Two hours attendance. Four hours preparation. Three hours drawing. Three hours credit. First semester.

Sjogren

6. Irrigation and Drainage Engineering (C. E. 12)—Sources of water supply, canals, seepage, irrigation by pumping, surveys and designs, legal and economic principles. Drainage: Field and class work in land drainage, surveys and preparation of plans and estimates of excavation, material and labor costs, study of drainage laws. Advanced engineers only. Three hours attendance. Six hours preparation. Three hours drawing. Four hours credit. Second semester.

Stout, Sjogren

7. Rural Architecture—The arrangement, design and construction of farm buildings with special emphasis on planning the home, the farmstead, horse barns, dairy buildings, barns and yards, hog houses, granaries, soils, machine sheds, ice houses, fences, etc. For advanced students other than engineers. Two hours attendance. Two hours preparation. Six hours field work and drawing. Three hours credit. First semester.

Chase

8. Irrigation, Drainage and Rural Highways—Irrigation from the water user's standpoint, requirements for different crops, source of supply, canals, seepage, pumping irrigation. Drainage: Study of different systems and methods of installation,—practice in the use of surveying instruments both in drainage and general field work. Rural highways, road laws and the construction and maintenance of roads. Advanced students other than

engineers. Prerequisite: Agronomy 51. Two hours attendance. Two hours preparation. Five hours field work and drawing. Three hours credit.

Sjogren

9. **Advanced Farm Machinery**—Laboratory work in the testing of field machines under various conditions. The testing of grinders, shellers, twine, etc. Prerequisite: Courses 3 and 24. Six hours laboratory. Two hours credit. First semester.

Brackett

10. **Advanced Farm Motors**—The construction of motor testing apparatus and the complete tests of farm motors, both in the field and laboratory. Prerequisite: Course 4 or M. E. 10 and in connection with M. E. 16. Six hours laboratory. Two hours credit. Second semester.

Seaton

11. **Domestic Engineering**—Studies in illumination and illuminating materials, freezing and heating materials, ventilating systems, water systems, sewerage and sewage disposal plants. Prerequisite: Physics 1 and 2 or 11 and 12; Chemistry 1 and 2. Three hours attendance. Six hours preparation. Three hours credit.

Chase

12. **Domestic Engineering Laboratory**—Practice in plumbing, testing of fuels, heating systems, illuminating systems, ventilating systems, pumping systems, etc. Prerequisite: Course 11 or by permission. Six hours laboratory. Two hours credit.

Chase, Sjogren

16. **Automobile Design**—Special study of current practice in design of the various parts. Drawings and specifications for manufacture by assembling standard products of established manufactures. Engineers only. Prerequisite: Course 15. Three hours attendance. Three hours preparation. Three hours designing. Second semester.

Seaton

19. **Research Work in Rural Architecture, Farm Drainage and Rural Highways**—There is a broad field for original investigation in the following subjects; drainage, water supplies, lighting, heating, building materials, efficiency gained by proper arrangement of farm buildings, road construction and sewerage. Prerequisite: Courses 5 and 6 or 7 and 8. Six to fifteen hours laboratory or reading. Two to five hours credit.

Chase, Baer, Sjogren

20. **Research Work in Farm Machinery, Farm Motors and Farm Equipment**—The large equipment of machinery in the department gives an excellent opportunity for testing both in the laboratory and in the field, standardizing, traction tests, calibration and economic tests of both farm machinery and farm motors. Prerequisite: Courses 3 and 4. Six to fifteen hours laboratory or reading. Two to five hours credit.

Chase, Seaton, Brackett

22. **Normal Course in Manual Training**—An advanced course in

carpentry which deals with laboratory equipment for small and large classes, with planning courses, with designing and working up exercises. Prerequisite: Course 1 or 31. Three hours laboratory. Three hours outside work. Two hours credit. Second semester. Baer

FOR WOMEN

32. Wood Work and Interior Finishing—31 continued, but with hard woods. Prerequisite: Course 31. One hour attendance. Two hours practice. One hour credit. Second semester. Baer

34. House Planning—33 continued. One hour attendance. Two hours drawing. One hour credit. Second semester. Baer

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

AGRICULTURAL EXTENSION

Professor Pugsley, Departmental Specialists

2. Extension Methods—A study of Agricultural Extension organization and work, and of the presentation of agricultural and home economics subjects by extension methods. Training given in the preparation and use of subject matter for extension instruction. Special emphasis is laid upon the value, preparation and use of illustrative and demonstrational material. Open only to juniors and seniors recommended by heads of departments in which they are majoring, or by special permission. Each hour of credit will require, in addition to the study of extension methods, the preparation, illustration and delivery before the class of a lecture on some subject to be agreed upon by student and head of department concerned. One hour attendance. Two to five hours preparation. One to two hours credit. Second semester. Pugsley

3. Farm Writing—Principles governing news writing applied to technical or informational writing, one section being devoted to home economics writing for women and another to agricultural writing for men. Special emphasis on practice—actual gathering and writing of informational stories—but with some attention to history of agricultural and home economics newspapering. Late in semester a consideration of the feature and magazine story. (Also if the personnel of the class warrants it, a brief study of agricultural and home economics publicity for prospective extension workers, and others who will be able to make use of local papers, farm publications, and other printed matter for educating readers and for promoting worthy enterprises.) Lectures, conferences, and practice. Two hours recitation. Four hours preparation. Two hours credit. Open to juniors and seniors only. First semester. Wambeam

AGRONOMY

Professor Burr (*Head of Department*), Professor Kiesselbach (Experimental), Professor Hopt, Assistant Professor Young, Assistant Professor Ratcliff, Assistant Professor Keim, Mr. Stewart, Mr. Ward and Assistants

Students should have or take at least one year's work in Botany and Chemistry. Courses are offered to meet the needs of (1) those students taking general courses, or interested in farm operations or the management of land; (2) those fitting themselves to be agricultural teachers or investigators.

CROPS

1. **Forage Crop Management**—An elementary and general course in the management of common and important forage crops, with special reference to Nebraska conditions. Classification, distribution and adaptation of common forage plants. Methods by which good seed may be secured. The seeding, care, harvesting and best use of forage crops, including those used for pasture, studied in considerable detail. Special attention given to identification of forage crop plants and seeds also of the more common or dangerous adulterants and weed seeds found in same. Two hours lecture. Four hours laboratory. Three hours preparation. Three hours credit. First semester. Hopt, Assistants

2. **Cereal Crop Management**—An elementary and general course in the management of cereal crops with special reference to Nebraska conditions. Each of the great cereals studied with reference to adaptation, seed-bed preparation, seeding, cultivation, and harvest. Improvement of field crop plants thru the simpler forms of breeding. Laboratory practice in identifying and describing the various types and varieties of cereals. Scoring, judging and grading grain. Two hours lecture. Four hours laboratory. Six hours preparation. Four hours credit. Second semester.

Hopt, Keim, Assistants

3. **The Minor Field Crops in Nebraska**—A critical study of such special, minor and new crops as broomcorn, sugarbeets, flax, hemp, buckwheat, soybeans, cowpeas, sweet clover, chick peas, feterita and Sudan grass. The culture of these plants, especially under Nebraska conditions, is taken up in considerable detail. The weaknesses and strong points as well as the special uses and adaptations of each of these crops are pointed out. Prerequisite: Courses 1, 2, 51 and 52. Two hours lecture. Four hours preparation. Two hours credit. First semester. Hopt

4. **Field Crop Plant and Practices**—The history and evolution of field crop plants and field crop practices. The relation of farming methods to food supply and human progress. The origin, domestication and evolution of field crop plants. Relationships, classification and nomenclature. Pre-

requisite: Courses 1, 2, 51 and 52. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Hopt

5. **Dry Farming—Environmental**—A critical study of soil and climate—the fundamental environmental factors which underlie dry farming. Rainfall, heat, humidity, wind, evaporation, altitude and latitude. Psychology in its relation to theory, practice and history in the dry farming country. Dry farming regions compared. Designed for students from western Nebraska and other nearby dry farming sections, and for students who are planning to locate in these regions. Two hours attendance. Four hours preparation. Two hours credit. First semester. Hopt

6. **Dry Farming—Practice**—5 continued. A constructive study of dry farming problems and methods—as based on the recent experimental data and the everyday practice of old and successful dry farmers. Special emphasis is given to practice in the more central part of the "Great Plains Area." A discriminating study of the various cultural methods, and of the various groups, species, types and varieties of crops possible to use in dry farming. Selecting and breeding plants to meet certain dry farming conditions. Homesteading, pioneering and marketing. Farming for profit. Prerequisite: Course 5 or entrance by special permission. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Hopt

8. **Field Crop Technology**—Problems and methods relating to the more technical phases of field crops. Field crop experimentation, teaching and demonstration. The breeding of field crop plants. Government service. Intended only for students who are specializing in agronomy. Prerequisite: Courses 1, 2, 51 and 52. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Hopt

9. **Field Crop Products**—A study of the disposition of field crops in commercial and industrial forms. Seed and grain business. Manufacture of wheat, oats, corn, flax, alfalfa and other field crops into the various finished products. The work includes lectures and readings as well as visits to important commercial concerns. Two hours credit. First semester. Hopt

10. **Field Crop Management**—The management of the more important cereal and forage crops—with special reference to Nebraska conditions. A brief practical course for students who are not registered in the College of Agriculture and cannot take the more thoro courses 1 and 2. Students in the College of Agriculture may take this course only by permission of the instructor. Two hours attendance. Four hours preparation. No laboratory. Two hours credit. Second semester. Hopt

11. **Forage Crop References**—Assigned forage crop readings. A thoro study of Piper's "Forage Plants and Their Culture," and of various readings in other texts and bulletins. These text studies and reference readings are essentially those required as supplementary work in course 1. This

course is open only to School of Agriculture students who have completed courses A, B, C and D, and whose records in the department are entirely satisfactory. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Hopt

12. **Cereal Crop References**—This course bears the same relation to course 2, that the course "Forage Crop References" does to course 1. The plan of the work and the prerequisite are the same in this course as in course 11. Two texts are used—Montgomery's "The Corn Crops" and Carleton's "The Small Grains." Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Hopt

17. **Laboratory Practice**—Practice in the teaching of laboratory classes in secondary school work. With the teaching is included the care and handling of necessary laboratory supplies. Registration only by arrangement with the instructor. Two hours credit. First semester.

Hopt, Keim

18. **Laboratory Practice**—17 continued. Second semester.

21. **Crop Problems**—Special problems in crop investigation. Open only to men of adequate training and who are graduates or upper classmen. Registration only by arrangement with instructor. Credit according to work. First semester.

Burr, Hopt

22. **Crop Problems**—21 continued. Second semester.

SOILS

51. **Soil Physics**—A study of the physical properties of soil and their importance to plant growth. The origin of soils; the physical characteristics of surface soils and subsoils; soil classification, and mechanical analysis; soil structure and tillage and means of modifying it; soil water, its movement, use and control; soil heat. The laboratory exercises are designed to give a detailed study of the more important properties of soils as discussed in the lecture room. Two hours lecture. Four hours laboratory. Six hours preparation. Four hours credit. First and second semesters.

Young, Ward and Assistants

52. **Soil Chemistry and Biology**—A study of the chemical and biological relations of soils to crop production. Chemical analysis of soils and its interpretation; farm manures; commercial fertilizers; soil micro-organisms, their distribution and relation to the decay of organic matter; nitrification and nitrogen fixation. The laboratory exercises give a more detailed study of the various properties of soils as discussed in the lecture room. Prerequisite: Course 51. Two hours lecture. Four hours laboratory. Six hours preparation. Four hours credit. First and second semesters.

Young, Ward and Assistants

54. **Soil Management**—A practical discussion of the principles govern-

ing the management of land. Crop rotation, tillage, fertilizing and manuring, erosion, drainage, and irrigation. Prerequisite: Courses 1, 2, 51 and 52. Two hours lecture. Four hours preparation. Two hours credit. Second semester. Young

55. **Soil Fertility**—A study of the food combination in plants and the effect of different amounts upon plant growth. The effect of different crops and different systems of farming upon the depletion in soil fertility. The use of farm manures and commercial fertilizers. The fertility of Nebraska soils is considered at large. Prerequisite: Courses 1, 2, 51 and 52. Two hours lecture. Two hours laboratory. Two hours preparation. Three hours credit. First semester. Young

56. **Soil Fertility**—55 continued. Second semester.

57. **Field Studies**—A study of the methods of soil management, tillage and crop yielding capacity of various types of soil in the surrounding counties. Field trips are made during the semester when the crop producing power of different soils is easily observed. Prerequisite: Courses 1, 2, 51, 52 and 54 or with 54. Field trips on certain Saturdays. One or two hours credit. First and second semesters. Young, Ward

58. **Soils of the United States**—A study of the soil of the United States considering the important types of soil, their physical and chemical characteristics, origin, crop adaptation. The soils of the corn belt and of Nebraska are especially emphasized. Open to seniors and graduate students who have completed courses 1, 2, 54, 55 and 56 or their equivalent; registration also by permission. Two hours lecture. Four hours laboratory and preparation. Two hours credit. Second semester. Young

59. **Agricultural Examination of Soils**—A course designed to study soil in the field. Soil mapping and analysis; methods of determining the soil needs, improvement, and management. Prerequisite: Courses 1, 2, 51, 52, 54, 55 and 56 or by permission. One to five hours credit. First or second semester. Burr, Young

60. **Soil Research**—Open only to seniors and graduates on consultation with the head of the department. Research problems of considerable latitude in soil agronomy may be selected, depending on the previous training of the student. One to five hours credit. First and second semesters. Burr, Young

Seminar

101. **Agronomy Seminar**—Presentation and discussion of various agronomic subjects. Reviews of the latest and most important literature and data in agronomy. One hour attendance. One hour credit. Prerequisite: Courses 1, 2, 51 and 52. Open only to juniors, seniors and graduates. First semester.

102. **Agronomy Seminar**—101 continued. Second semester.

Summer Session

201. **Agronomy**—A general elementary course in soil physics and cereal crops. Designed primarily for superintendents and others who are interested in the teaching of agriculture and in secondary schools. Laboratory practice with a series of carefully written exercises and prepared materials which have recently been made available to public schools. In this course it is the intention to present as much as possible of the fundamental courses 2 and 51. Five hours lecture. Twenty hours preparation and laboratory. Four hours credit. Summer session. Hopt, Young

202. **Agronomy**—The plan of this course is similar to that of Agronomy 201. The subject matter is forage crops and the chemistry and biology of soils. This course embodies as much as possible of courses 1 and 52. Prerequisite: Course 201. Five hours lecture. Twenty hours preparation and laboratory. Four hours credit. Summer session.

Hopt, Young

203. **Agronomy**—This course is designed for students who desire outdoor and individual study of problems in soils and field crops during the growing season. Registration only by arrangement with the instructors. Credit according to work. Summer session. Hopt, Young

Experimentation

PRIMARILY FOR GRADUATES

Students taking these courses must have completed all general courses in Agronomy and Farm Management.

301. **Investigation**—Satisfactory work on some special line of investigation with assigned readings. Six to twenty hours laboratory. Thesis required. Two to five hours credit. First semester. Kiesselbach

302. **Investigation**—301 continued. Second semester.

303. **Methods of Investigation**—Compilation of experimental data. Correlation tables. Statistical methods. Six to twenty hours laboratory. Two to five hours credit. Kiesselbach

304. **Methods of Investigation**—303 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

ANIMAL HUSBANDRY

Professor Gramlich, (*Head of Department*), Associate Professor Warner,
Associate Professor Dickson (Poultry), Assistant
Professor Pier, Assistant Professor Jenkins

PRIMARILY FOR UNDERGRADUATES

1. Market Type of Live Stock—A study of the desired types of market animals. Specimens representing the various classes of finished stock used in the classroom for judging purposes. The study of carcasses illustrated by meat-cutting demonstrations. The lecture work will embody a study of the qualifications necessary to good carcasses and of the methods of handling live stock at market centers. Two hours lecture. Four hours judging. Six hours preparation. Four hours credit. First and second semesters. Pier, Jenkins

2. Judging Breeding Animals—This course is a continuation of course 1 except that classes of breeding animals are judged rather than fat specimens of each type. The breed requirements and characteristics are emphasized. Four hours judging. Two hours preparation. Two hours credit. First and second semesters. Pier, Jenkins

4. Live Stock Feeding—A study of feeds and their compounding into rations for the various classes of farm animals. Two hours attendance. Four hours preparation. Two hours credit. First and second semesters. Pier, Jenkins

5. Animal Nutrition—Methods employed in conducting experimental feeding. A study of experiment station bulletins. Preparation of coarse fodders. Grinding, steaming and cooking of feeding stuffs. Prerequisite: Course 4 and Chemistry 1; Chemistry 2 required or can be taken at the same time. Two hours attendance. Four hours preparation. Two hours credit. First semester. Gramlich, Jenkins

6. Animal Nutrition—General composition of the animal body. Digestion, absorption, metabolism, and secretion. Influence of food on animal form and on quality of meat and milk. Prerequisite: Course 5 and Chemistry 103. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Jenkins

7. Animal Breeding—Embraces general principles of breeding, selection, and heredity. Includes a historical study of old and modern theories. Prerequisite: Course 1 and Zoology 1, 2. Two hours attendance. Four hours preparation. Two hours credit. First semester. Pier

8. Animal Breeding—Discussion of recent results along the line of animal breeding. Practical points in breeding. Study of line breeding and in-breeding. Attention given to importing and breeding laws. Study of herd book regulations. Prerequisite: Course 7. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Pier

9. Judging Live Stock—Advanced course in judging with special attention given to the study of breed type. Prerequisite: Courses 1 and

2. Two hours attendance. One hour preparation. One hour credit. First semester. Pier

10. **Judging Live Stock**—Continuation of 9. Prerequisite: Course 9. Two hours attendance. One hour preparation. One hour credit. Second semester. Pier

10a. **Advanced Live Stock Judging**—This course is given more especially for Juniors who have had courses 1, 2, 9 and 10 and who contemplate taking course 11 in their Senior year. Two hours attendance. One hour credit. Second semester. Gramlich

11. **Judging Live Stock**—Continuation of 9 and 10, with especial attention given to comparison and judging of animals of different ages and also to group judging. Prerequisite: Course 10. Two hours attendance. One hour preparation. One hour credit. First semester. Gramlich

12. **Animal Husbandry—Seminar**—Prerequisite: Courses 4, 5, 6, 7, 8. Two hours attendance. Two to ten hours preparation. One to five hours credit. Second semester. Gramlich, Pier

13. **Live Stock Management**—Care and management of hogs and sheep. Prerequisite: Course 4, unless otherwise arranged. Two hours attendance. Four hours preparation. Two hours credit. First semester. Gramlich

14. **Live Stock Management**—Continuation of 13. Care and management of the breeding herd of beef cattle and horses. Prerequisite: Course 4, unless otherwise arranged. Four hours preparation. Two hours attendance. Two hours credit. Second semester. Gramlich

15. **Pedigrees**—A study of the registration of pure bred animals. Historical study of the various breed associations together with familiarization with their rules and methods. Practice in the tracing of pedigrees. Prerequisite: Courses 1 and 2. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Gramlich

16. **Laboratory Practice**—Practice in teaching Animal Husbandry subjects in secondary school work. Registration only by arrangement with instructor. Two hours credit. Second semester. Gramlich

Poultry Section

Associate Professor Dickson

1. **Elementary Poultry Management**—A series of practical lectures on farm poultry and its management, dealing with poultry house construction, yarding, fattening, killing, dressing, marketing, winter egg production, and a brief study of breeds adapted to Nebraska farms. Two hours attendance. Four hours preparation. Two hours credit. First semester. Dickson

2. **Elementary Poultry Management**—1 continued. Handling of farm poultry, incubation and brooding, feeding and rearing chicks, diseases, market eggs, and marketing poultry products. Must be preceded by course

1. Two hours attendance. Four hours preparation. Two hours credit.
Second semester. Dickson-

3. **Poultry Practice**—A laboratory course for those desiring practice work in feeding and caring for a pen of birds, keeping accurate records of feed given and number of eggs produced; fattening, killing, and dressing, showing amount of gain made and loss incurred by dressing; incubator and brooder construction; anatomy and judging of the more common breeds. Six hours laboratory. Two hours credit. First or second semester. Dickson

4. **Incubation and Brooding**—Each student hatches and raises chicks, keeping accurate records of all work; handling, grading, and packing of market and hatching eggs. Time to be arranged. Must be preceded by course 1; also preceded or accompanied by course 2. Two to three hours credit. Second semester. Dickson

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

ANIMAL PATHOLOGY

Professor Gain, Professor Alford

1. **Anatomy and Physiology of Farm Animals**—This includes a study of the skeleton with especial reference to its relation to the various forms of unsoundness in the horse; also the anatomy of the organs of digestion, respiration and circulation. The physiology of digestion, circulation and absorption, together with generation and development, is also studied. Three hours attendance. Six hours preparation. Three hours credit. First semester. Gain

2. **Diseases of Farm Animals**—Contagious diseases are studied with reference to the best methods of preventing and eradicating tuberculosis, hog cholera and contagious abortion, and the intelligent coöperation with the veterinarian in this work. Students are taught how to splice ropes, make rope halters and all of the different knots used on the farm and ranch. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Gain

DAIRY HUSBANDRY

Professor Frandsen (*Head of Department*), Professor Woodward, Assistant Professor Maxwell, Assistant Professor Thorson, Mr. North, Mr. Colman

1. **Principles of Dairying**—The object of this course is to give such fundamental training in dairying as will be of practical value to the student and at the same time prepare him for more thoro work in the dairy courses which follow. This course deals with the characteristics and composition of milk, factors influencing the amount and composition of milk, physiology of milk secretion, breeds of dairy cattle, testing of milk and cream by the

Babcock method, cream separation, cream ripening, principles of butter-making and dairy sanitation. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First semester.

Frandsen, Woodward, Maxwell, Thorson

2. **Principles of Dairying**—1 continued. Second semester.

3. **Milk Production**—This course covers the field of Dairy Husbandry in its relation to the producer. It consists of two lectures a week and one laboratory period devoted to judging of dairy cattle. Lectures cover matter relating to the leading breeds of dairy cattle, their characteristics and adaptation for dairy purposes; the selection, breeding and building up of the dairy herd; selection of the dairy sire; calf raising; proper care of dairy cattle; the dairy barn; use of silo; a thoro study of the composition and relative food value of the leading dairy feeds and the feeding of dairy animals with special reference to economical milk production. Instruction in judging dairy cattle will consist of a study of the type and characteristics of the various dairy breeds. Prerequisite: Courses 1 and 2. Course 5 should be taken in connection. Two hours attendance. Four hours preparation. Three hours laboratory. Three hours credit. First semester.

Woodward, North

4. **Butter Making**—This course includes a general study of the composition of dairy products, separation and acidity of milk, the preparation of starters, ripening of cream, churning, and the packing of butter. Prerequisite: Courses 1 and 2. Two hours attendance. Four hours preparation. Three hours laboratory. Three hours credit. Second semester.

Frandsen, Thorson

5. **Dairy Judging**—The object of this course is to enable the student to fix in his mind the types of cattle that are profitable producers of dairy products. The greater part of the work is done by comparative judging, using the Ayrshires, Guernseys, Holsteins and Jerseys of the College herd and those of nearby herds. Prerequisite: Courses 1 and 2 should be taken in connection with course 3. Three hours laboratory. One hour credit. First semester.

Woodward

6. **Advanced Dairy Judging**—5 continued. Prerequisite: Course 5. One hour preparation and two hours laboratory. One hour credit. Second semester.

Frandsen, Woodward

7. **Milk Testing and Inspection**—This course consists of a study of the Babcock test for fat in milk and cream. It includes work with the various tests for moisture in butter, also a careful study of the methods for detecting preservatives and adulterations in dairy products, as well as the best methods of taking samples and of testing individual cows. This course also includes a careful study of the requirements necessary for the production of sanitary and certified milk. Prerequisite: Courses 1 and 2. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First semester.

Maxwell

8. **Ice Cream and Ices**—Elective in the Agricultural and Home Economics courses. This course consists of a study of the manufacture of ice cream and ices. Prerequisite: Courses 1 and 2 or course 12 or by special arrangement. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. Second semester.

Frandsen, Thorson, Maxwell

9. **Official Testing**—The object of this course is to prepare men for positions as official testers of dairy cattle for advanced registration. The course includes a study of the rules and methods of conducting the tests; preparing of reports; individual breed requirements; and the benefits to the dairymen to be derived from official records. A portion of the time will be devoted to the study of cow testing associations. The laboratory work consists of actual practice in official testing. Prerequisite: Courses 1, 2 and 3. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First semester.

Frandsen, Colman

10. **Cheese Making**—A study of the importance of the quality and composition of milk in the manufacture of Cheddar cheese; the principles involved in cutting, heating, milling, maturing, salting and pressing the curd, curing and marketing; influence of organized and unorganized ferments in cheese; the construction and ventilation of cheese curing rooms. This course also includes lectures and laboratory work in the manufacture and marketing of brick, cream and cottage cheese. Prerequisite: Courses 1, 2 and 7. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. Second semester.

Thorson

12. **Domestic Dairying**—This course is especially arranged for students of the Home Economics course. The object is to give the student some practical as well as scientific knowledge concerning the care and preparation of dairy products for food purposes. The course includes lectures and laboratory work on the care of milk and cream; testing for fat, acidity, adulteration, preservatives and the general purity of milk and cream. Some work is also given in the manufacture of butter, cheese and ice creams. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. Second semester.

Frandsen, Thorson, Maxwell

13. **Dairy Bacteriology**—In this course the student studies the fundamental principles upon which is based the sanitary production and handling of milk, the relation of bacteria to the dairy industry in general, market milk, certified milk, sanitary milk, pasteurized milk, milk borne diseases, sources of contamination, normal and abnormal fermentations and their control. The course will deal with the bacteria more common to dairy products entirely from a practical standpoint. Prerequisite: Courses 1, 2, 7 and elementary bacteriology. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. First semester.

Maxwell

16. **Market Milk**—This course includes a study of the production, handling, and marketing of clean milk and cream for public consumption; dairy sanitation; sources of milk contamination; sanitary planning and equipment of dairy buildings and milk bottling plants; transportation of milk; city ordinances; state and federal laws; condensed milk; modified and fermented milks; scoring milk and cream; city milk inspection. Prerequisite: Courses 3, 7, 13. One hour attendance. Three hours preparation. Three hours laboratory. Two hours credit. Second semester.

Maxwell

FOR UNDERGRADUATES AND GRADUATES

51. **Dairy Seminar**—Elective for students specializing in dairying. This course consists of a study of the work accomplished by the various experiment stations, also a review of the best foreign dairy literature. One hour attendance. Two hours preparation. One hour credit. First semester.

Frandsen

52. **Dairy Seminar**—51 continued. Second semester.

53. **Thesis**—Original work and investigation on some phase of the dairy industry. Frequent conferences with instructors. Prerequisite: Senior standing. Two to four hours preparation. One or two hours credit. First or second semester.

Frandsen, Woodward

FOR GRADUATES

101. **Research Methods**—A critical study of the methods employed in conducting dairy experimental work at this and other stations. One hour attendance. One hour credit. First semester.

Frandsen, Woodward

102. **Research Methods**—101 continued. Second semester.

103. **Research in Milk Production**—A large herd of cattle of the leading dairy breeds is available for use in studying problems of feeding, breeding, milk production, growth, and care and management of the dairy animal. This herd produces sanitary milk for the city trade and special opportunities are offered for a critical study of sanitary and certified milk production. Students especially interested are allowed to assist with the investigations now under way at the Experiment Station and in certain instances may undertake special problems independently. Thesis required. First semester.

Frandsen, Woodward

104. **Research in Milk Production**—103 continued. Second semester.

105. **Research in Dairy Manufactures**—Opportunity and facilities are given by special arrangement to study and investigate special problems in butter making, ice cream making, cheese making and other work directly pertaining to dairy manufactures. First semester.

Frandsen

106. **Research in Dairy Manufactures**—105 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

ENTOMOLOGY

Professor Bruner (*Head of Department*), Professor Swenk, Assistant Professor Dawson

GENERAL INFORMATION

The department maintains a laboratory fully equipped for the use of students engaged in research work along systematic lines, and a modern insectary well provided with apparatus useful in facilitating research in economic entomology, such as breeding cages, cameras, dark room and aquaria, for those investigating the life-histories of insects. The research laboratory is supplied with compound and dissecting microscopes, microscopical accessories, camera lucida, lanterns and slides and illustrative models and charts. A collection of insects numbering approximately 250,000 pinned specimens is available for study by advanced students; it is particularly rich in Hymenoptera, Diptera and Orthoptera and contains many specimens of these orders named by specialists, including a considerable number of their types. While the greater portion of the collection is representative of our state and national fauna, it is also exceedingly rich in exotic material from Argentina, Costa Rica, Mexico and the Philippine Islands collected by Professor Bruner on entomological excursions to these countries. The library contains practically complete files of all the American and the principal foreign entomological periodicals as well as most of the special monographs in the various orders, and is readily accessible to advanced students, while the excellent economic libraries of the State Entomologist and Nebraska Experiment Station are close at hand and available for reference. The results of studies carried on in the department are issued consecutively in a numbered series.

Courses 1 and 2 or 3 and 4 are open to all students, and they, or their equivalent, must precede all other college courses in entomology except 7, 7a, 8, 9, 10 and 11.

FOR UNDERGRADUATES

1. **General Entomology**—A general survey of the class Insecta, with introductory lectures on the structure, physiology, transformations, distribution and behavior of insects, followed by a consideration of the characteristics of the orders, suborders and principal families of insects, and the life-history and habits of typical species. Two hours attendance. Four hours preparation. Two hours credit. First semester. Bruner

2. **General Entomology**—1 continued. In addition, a general consideration of the more striking phenomena to be observed in a study of insect life, and general work in the collection and classification of insects. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Bruner

3. **Economic Entomology**—An introduction to the more practical phases of entomology, beginning with a consideration of the structure, physiology and metamorphosis of insects and a review of the insect orders, and following this with a presentation of the broad principles of insect damage and benefit, and the natural and artificial control of insects. Laboratory work involving the dissections of typical forms of the various orders and the rearing of insects, together with assigned readings correlated with the lectures. Three hours attendance. Six hours laboratory and preparation. Three hours credit. First semester.

Bruner

4. **Economic Entomology**—3 continued. In addition, studies of various groups of conspicuously injurious insects, emphasizing their life-histories and habits and the special preventives and remedies for them. Assigned readings correlated with the lectures, and in the spring observations of the work of injurious insects in the field. Three hours attendance. Six hours laboratory and preparation. Three hours credit. Second semester.

Bruner

PRIMARILY FOR UNDERGRADUATES

5. **Systematic Entomology**—A close study of the principles and machinery of classification as applied to insects, involving a consideration of current taxonomic methods in entomology, of nomenclatural codes and of faunal areas, designed especially to acquaint the student with the literature of entomology and the approved methods of preparing data for publication as a foundation for research work in systematic entomology. Laboratory work with the various insect groups, designed to give a conception of the varying value of classificatory characters. Two hours attendance. Seven hours laboratory. Three hours credit. First semester.

Swenk

6. **Systematic Entomology**—5 continued. In addition, a detailed study of entomological technique, involving methods of collecting, preparing and preserving insects for the cabinet and museum and the use of apparatus necessary in entomological work. Two hours attendance. Seven hours laboratory. Three hours credit.

Swenk

7. **Farm Entomology**—A detailed consideration of the principal insect enemies of the apple, stone fruits, grape, bush fruits, strawberry and garden vegetables and of the preparation and use of insecticides and methods of spraying and fumigation. Assigned readings correlated with the lectures, and, wherever possible, field work in investigating insect pests. Two hours attendance. Four or seven hours preparation. Two or three hours credit. First semester.

Swenk

7a. Live Stock Entomology—A course taking up in detail the injuries, life-histories and habits, and modern means of prevention and destruction of the mites, ticks, lice, fleas, stable-flies, horn-flies, horse-flies, bot-flies and similar important insect pests of our domestic animals. This course is correlated with course 7 and is usually to be taken with it, but may be elected separately if desired, especially by students majoring in Animal or Dairy Husbandry. One hour attendance. Two hours preparation. One hour credit. First semester. Swenk

8. Farm Entomology—7 continued. A similar detailed study of the principal insects injurious to corn, the small grains, alfalfa and clover, grasses, the potato and the sugar beet, and to stored vegetables and animal products, designed to give the student a thoro understanding of the means of control of all of the important pests of our cereal, forage and other field crops, and a fund of practical information on the control of injurious insects in general. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Swenk

9. Apiculture—A general survey of the subject, including a discussion of the structure, life-history, varieties and communal life of the honey bee; methods of handling bees, formation of colonies, controlling the colony growth, rearing of queens, honey and wax production, apiary paraphernalia and the symptoms, etiology and control of bee diseases and other enemies of bees. One hour attendance. Two hours directed reading. One hour credit. First and second semesters. Bruner, Swenk

10. Domestic Entomology—A brief general survey of insect life, emphasizing especially the insects affecting the household, such as silver fish, cockroaches, termites, house flies, mosquitoes, fleas, house ants, clothes moths, flour and meal pests, etc., with thoro discussions of means of control. Two hours attendance. Four hours directed reading. Two hours credit. First semester. Swenk

11. Forest Entomology—Lectures and laboratory studies of the insects of the forest. Two hours attendance. Seven hours laboratory and preparation. Three hours credit. Second semester. Bruner
(Courses 12 and 13 not to be given in 1917-1918.)

14. Seminary—The seminary work of the department is carried on by the Nebraska Entomological Society, an association of students specializing in entomology and taking advanced or graduate courses, meeting at intervals for the presentation of papers and the discussion of current entomological literature.

PRIMARILY FOR GRADUATES

(These courses may be registered for repeatedly until the completion of the problem.)

15. Research in Systematic Entomology—Independent studies under the advice of the head of the department leading to the monograph-

ing of some genus, subfamily or family of insects or the detailed study of the insect fauna of Nebraska in one of the larger groups. First semester.

Bruner

16. **Research in Systematic Entomology**—15 continued. Second semester.

17. **Research in Economic Entomology**—Individual investigation of some special problem in economic entomology, usually the monographing of a species or group of species of economic importance. First semester.

Bruner

18. **Research in Economic Entomology**—17 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

FARM MANAGEMENT

Professor Filley (*Head of Department*), Assistant Professor Spafford, Instructor Rhoades

Farm Management is the business side of farming. It deals with the problems which confront every farmer in the organization and management of his farm. The farm is considered as a business investment from which the owner and operator wish to secure the greatest continuous profit.

All the courses offered except courses 1 and 2 presuppose not only general agricultural knowledge but also some technical training. For this reason they are better adapted to advanced students than to first or second year men.

Students wishing to major in the department should register for course 1 at the beginning of the sophomore year. If only a year's work can be taken in Farm Management, course 3 followed by either 2 or 12 is recommended. The seminar and field survey courses offer unusually good opportunities for a limited amount of graduate work.

FOR UNDERGRADUATES AND GRADUATES

1. **Farm Documents**—This course deals with the legal phase of the farm business. Contracts, leases, deeds, mortgages, abstracts, negotiable instruments and other legal papers of which the farmer should have a working knowledge are discussed. Some time is given to those parts of the Nebraska law, such as the provisions regarding live stock and labor, which bear most directly upon farm management problems. Open to all but freshmen. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Rhoades

2. **Farm Accounts**—A practical system of cost accounts for the farmer. Each student keeps a set of books which shows the cost of the various farm operations for the year, and the gain or loss upon each farm enterprise. Open to all but freshmen. Two hours lecture. Two hours laboratory. Two hours outside preparation. Two hours credit. Second semester.

Rhoades

3. **Farm Organization**—Types of farming and their adaptation to different regions, size of the farm unit, capital, labor, systems of land tenure, maintenance of soil fertility, cropping systems, the farmstead, field arrangements, choice and purchase of a farm, and other factors of farm organization which affect farm profits are studied. Work based on text books, bulletins and Nebraska farm management survey records. Open to juniors, seniors, graduates, to second year men in the agricultural practice group, and to others by permission. Graduates of the School of Agriculture who have credit for Farm Management A may register for the course for two hours credit. Three hours attendance. Two hours laboratory. Four hours outside preparation. Three hours credit. First semester.

Filley, Spafford, Rhoades

4. **Farm Management Seminar**—Prerequisite: Course 3. A continuation of course 3, dealing with specific problems in Farm Management. Each student investigates and reports upon some particular problem. Three to fifteen hours meeting, preparation, and library. One to five hours credit. Second semester.

Filley, Spafford, Rhoades

11. **Marketing of Farm Products**—This course deals with such problems as producers and consumers prices, wholesale and retail marketing, competition and coöperation. The marketing of cereal crops is studied in detail, the grain being traced from producer to consumer. This includes the study of the farmers' elevator movement, railway rates, grain exchanges, grain warehouses, and other factors affecting prices. Open to juniors, seniors, graduates, second year men in the Agricultural Practice Group and others by permission. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Filley, Spafford

12. **Marketing of Farm Products**—11 continued. The marketing of live stock and live stock products is studied in detail. Different types of animals are traced from the farm to the consumers' table. The latter part of the semester is devoted to a study of the retail store. Two hours credit. Second semester.

Filley, Spafford

PRIMARILY FOR GRADUATES

7. **Farm Management Survey**—Prerequisite: Courses 3 and 4. Field work, tabulation, and analysis of data. It is designed to train students for field work and to give them a first hand knowledge of Nebraska farm conditions. Field work may be done during vacation. Admission by consent of the instructor. Three to fifteen hours meeting, field work, tabulation of data and library. One to five hours credit. First semester.

Filley, Spafford

8. **Farm Management Survey**—7 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

HOME ECONOMICS

Professor Loomis (*Head of Department*), Assistant Professor Davis, Associate Professor Vance, Assistant Professor Fedde, Miss Brown, Miss Corbin, Miss VanKirk, Miss Canfield, Miss Curtiss

GENERAL INFORMATION

The courses in this department are planned to meet the needs of three classes of students:

- (1) Those students who are specializing in other lines of study and desire some knowledge of home economics as part of a general education.
- (2) Those students who desire a special study of home economics together with the arts and sciences necessary for the successful management of homes.
- (3) Those students who wish to teach home economics or to enter allied professions.

Courses are required in related subjects, hygiene, sociology, fine arts and the sciences. Approximately one-fourth of the work is given in the Home Economics Department, one-fourth is in science and one-fourth in language and history. In the Junior and Senior years a part of the work is elective.

The lectures are given on the city campus or preceding laboratory periods in Home Economics Hall. This building contains eight well equipped laboratories, a practice dining room and kitchen and a cafeteria. The Hall offers an excellent opportunity for practice work in household administration problems.

The following courses are required for a major in Home Economics in the Agricultural College: 1¹, 2, 3², 4, 6³, 7, 8, 9, 10.

For a major in Home Economics in the Agricultural and Teachers Colleges: 1¹, 2, 3², 4, 6³, 7, 8, 9, 10, 13, 14.

For a minor in Clothing Study in the College of Arts and Sciences: 1¹, 2, 3², 4, 7, 8.

For a minor in Clothing Study in the Arts and Sciences and Teachers Colleges: 1¹, 2, 3², 4, 7, 8, 13.

For a minor in Food Study in the College of Arts and Sciences: 1¹, 2, 3², 4, 6³.

For a minor in Food Study in the Arts and Sciences and Teachers Colleges: 1¹, 2, 3², 4, 6³, 13, 14.

¹Courses 1, 2 must be preceded or accompanied by Fine Arts 15 and 16.

²Courses 3, 4, (Elementary Food Study), must be preceded or accompanied by Chemistry 1 and 2.

³Course 6, (Dietetics), whether taken in a minor in other colleges or in a major in the Agricultural College must be preceded or accompanied by Chemistry 3, (Organic), and 14, (Food and Sanitary), or their equivalent and Physiology 1 and 2.

1. **Sewing and Textiles**—Construction work in the making of household articles, undergarments and simple dresses. Use and alterations of patterns. Drafting. Textiles, their origin, production and manufacture. Study and comparison of materials from the standpoint of the consumer. Two hours attendance. Four hours laboratory. Three hours outside preparation. Three hours credit. First semester.

Davis, Brown, Van Kirk

2. **Sewing and Textiles**—1 continued. Second semester.

3. **Elementary Food Study**—Composition and function of typical foods; fundamental principles and processes of cooking and their application in the preparation of foods; nutritive and economic values; food preservation. Should be preceded or accompanied by Chemistry 1 and 2. Two hours attendance. Six hours laboratory. Four hours outside preparation. Four hours credit. First semester.

Vance, Fedde

4. **Elementary Food Study**—3 continued. Second semester.

7. **Textiles and Clothing**—Designing and advanced principles of dressmaking. Millinery. Comparison of home and factory made clothing. Clothing budgets and relative percentage of income spent for clothing. Care and hygiene of clothing. Microscopic and chemical analyses of fabrics. Development of textile and clothing industries and a study of the economic and sociological phases of these industries today. Two hours attendance. Four hours laboratory. Three hours outside preparation. Three hours credit. First semester.

Davis, Van Kirk

8. **Textiles and Clothing**—7 continued. Second semester.

9. **Household Administration**—House plans and furnishings; ventilation, heating, lighting, water supply, disposal of waste; management of household affairs, division of income, domestic service, and care of the house. Must be taken in connection with Agricultural Engineering 17. Two hours attendance. Three hours laboratory. Four hours outside preparation. Three hours credit. First semester.

Loomis

10. **Household Administration**—9 continued. Second semester.

11. **Survey Course in Food Study**—For students in the College of Arts and Sciences who desire a general knowledge of foods, their composition, preparation and place in the dietary. Open only to students above the freshman year. Not required in the four-year Home Economics Group. One hour lecture. Three hours laboratory. Two hours credit. First semester.

Vance

12. **Survey Course in Foods**—11 continued. Includes the preparation and service of simple dietaries for adults and children in health and disease.

13. **Teachers' Course**—Theory and method of teaching Home Economics. Required of candidates for the University Teachers' Certificate in Home Economics. Lectures with practice teaching. Two hours attendance. Four hours outside preparation, including practice teaching. Two hours credit. First semester. Loomis, Davis

14. **Teachers' Course**—13 continued. Second semester.

24. **Elementary Food Study**—This course is intended for students who have entrance credits in food study from an accredited high school. The quality of the work must have been satisfactory to the Department of Home Economics in the University. This course will, in addition to the entrance credits, be equivalent to Home Economics 3 and 4. It should be preceded or accompanied by Chemistry 1 and 2. Two hours attendance. Three hours laboratory. Outside preparation. Two hours credit. First semester. Vance, Fedde

Agricultural Engineering 33—House Planning—A course in house design given by the department of Agricultural Engineering. Baer

PRIMARILY FOR GRADUATES

6. **Dietetics**—A study of the chemical, physical and economic factors involved in the problems of human nutrition. To be offered for graduate as well as undergraduate work. Prerequisite: General, organic and food Chemistry, Physiology, Home Economics 3 and 4. Four hours credit.

105. **Advanced Problems in Food Study**—Lectures, conferences, library, and laboratory work on problems in the preservation and preparation of food. Prerequisite: Bacteriology 2a, Chemistry, Home Economics 3 and 4. Three to four hours credit.

106. **Dietetics**—Additional reference and conference work with individual problems in the study of actual dietaries and the planning of dietaries to meet the various needs. To be taken in connection with or following Home Economics 6. Graduate credit only. It is recommended that students registering for Home Economics 6 and 106 register also for Plant Pathology and Physiology 117 and 118, Comparative Physiology, and Agricultural Chemistry. Two to four hours credit.

117, 118. **Seminary on Home Economics Education**—A study of the development of Home Economics, with particular attention to the correlation of these with other subjects; the articulation of Home Economics work in the various grades of schools; the consideration of courses of study now in use; and the planning of courses that will meet the growing demand for vital, flexible, well balanced courses. Prerequisite: 24 hours undergraduate work in this department, educational courses sufficient to

entitle student to State Certificate, and successful teaching experience in Home Economics. Two hours credit.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

HORTICULTURE

Professor Howard (*Head of Department*), Associate Professor Hood,
Associate Professor Cooper, Assistant Professor _____

The courses offered in this department are designed to give the student a thoro working knowledge of the principles and practice of the most important lines of horticultural work. The orchard, vineyard, gardens, forestry plats and arboretum are used to demonstrate the principles brought out in the class room.

A limited number of advanced students who desire to fit themselves for teachers and investigators will be employed at moderate compensation to assist in the laboratory of the School of Agriculture during the winter and also to help with the work at the Experiment Station during the summer.

Plant Pathology and Physiology 101 and 102, or Botany 1 and 2, should precede all courses in Horticulture. All courses are open to women, but courses 3, 4 and 20 are especially recommended.

PRIMARILY FOR UNDERGRADUATES

1. **Principles of Vegetable Growing**—This course includes the study of the principles of vegetable growing, a consideration of seeds and seeding, and the requirements for the successful manipulation of plants. Each vegetable crop will be discussed. Prerequisite: Botany 1 and 2. Two hours attendance. Two hours laboratory. Two hours preparation. Two hours credit. First semester. Hood

2. **Principles of Fruit Growing**—An introductory course designed to cover the principles of fruit growing, and their application to our common tree fruits. Two hours preparation. Two hours attendance. Two hours credit. Second semester. Howard, Cooper

3. **Vegetable Gardening and Ornamental Plants**—A study of seeding, vegetative propagation of plants, management of the home garden, school gardens, care of lawns, culture of potted plants and ornamental flowers suitable for window gardening and for outdoor home decoration. Courses 3 and 4 are designed to meet the needs of girls wishing a brief study of horticulture for the home as well as to give some appreciation for school garden work. Open to women only. Two hours attendance. Four hours preparation. Two hours credit. First semester. Hood

4. **Vegetable Gardening and Ornamental Plants**—3 continued. Second semester.

5. **Spray Mixtures**—This course is designed to give a thoro practical knowledge of insecticides and fungicides and their manner of application for the control of insects and fungous diseases, and the methods of repairing and correcting broken, diseased, deformed and insect infested trees. Juniors and seniors. Two hours attendance. Four hours preparation. Three hours laboratory. Three hours credit. Second semester.
Cooper

11. **Advanced Vegetable Growing**—A detailed and systematic study of vegetable crops. This course is designed to meet the needs of those desiring to engage in commercial truck gardening. The laboratory work will be devoted to the study of systematic olericulture, or the study of the different varieties of vegetables. This enables the student to acquaint himself with the best varieties both in quality, production and commercial importance. Judging and scoring of vegetables will also be given attention. Prerequisite: Course 1 and Botany 1 and 2, or Plant Pathology and Physiology 101 and 102. Open to juniors and seniors. Two hours attendance. Three hours laboratory. Four hours preparation. Three hours credit. First semester.
Hood

12. **Advanced Vegetable Growing**—11 continued. Second semester.

13. **Farm Forestry**—The propagation of forest trees; nursery methods and practices; requirements of forest trees as to soil, moisture and climate; care of trees in farm wood-lots; the best species for Nebraska windbreaks and groves; preparation of planting plans; value of the timber crops; identification of common trees and shrubs; care and arrangement of street trees. Two hours attendance. Three hours laboratory. Four hours preparation. Three hours credit. First semester.

15. **Tree Fruits**—All phases of propagation, planting, culture, control of insects and fungous diseases, harvesting, storing and marketing tree fruits with reference to commercial orcharding will be given special attention. The laboratory exercises consist of actual field work along the lines covered by the lectures. Prerequisite: Course 2. Three hours attendance. Four hours laboratory. Five hours preparation. Four hours credit. First semester.
Cooper

16. **Small Fruits**—All phases of preparation, planting, control of insects and fungous diseases, culture, harvesting, storing and marketing bush, cane and vine fruits with reference to commercial fruit growing are discussed. The laboratory work will consist in illustrating the lines covered by the lectures. Two hours attendance. Two hours laboratory. Five hours preparation including assigned readings. Three hours credit. Second semester.
Cooper

17. **Apple Judging**—Identification and description of varieties of apples. Identification of insects, fungous and storage injury. Selecting

specimens and preparing exhibits. Exercises in judging box, barrel and plate exhibits. Four hours laboratory. Two hours preparation. Two hours credit. First semester. Cooper

20. Design of Home Grounds—An elementary course designed for students not specializing in landscape gardening. Two hours lecture. One to two hours laboratory. Two hours library. Three hours credit. Second semester.

21. Introduction into the Study of Landscape Gardening—History of the development, principles, illustrated by slides. Occasional field trips. Two hours lecture. Two hours preparation. Two hours credit. First semester.

22. Plant Materials—A study of trees, shrubs, and perennials in their relation to landscape work. Two hours lecture. Two hours preparation. One to two hours laboratory. Three hours credit. Second semester.

FOR UNDERGRADUATES OR GRADUATES

7. Horticultural Problems—Assigned problems in Horticulture. Experimental work in the laboratory, gardens, greenhouses, or orchards, planning experiments, and keeping records. Hours for consultation. Two to five hours credit. Registration only by permission of Instructors. First semester. Howard, Hood, Cooper,

8. Horticultural Problems—7 continued. Second semester.

10. Genetic Seminar—This course is given with a view of reviewing the experimental work in genetics. Prerequisite: Animal Husbandry 7 or Horticulture 25 or Zoology 32. One hour attendance. Two hours preparation. One hour credit. Second semester. Howard

19. Systematic Pomology—This course takes up in detail the systematic classification, nomenclature and discussion of tree, vine and bush fruits with the histories, origin and adaptability of each. The laboratory consists of the examination and classification of the various fruits. Prerequisite: Course 2. Two hours attendance. Four hours laboratory. Three hours preparation. Three hours credit. First semester. Cooper

23. Landscape Design—Topographical surveys and mapping with special reference to the methods used in landscape gardening; relation of topographic maps to landscape design; grading plans and working drawings, road and grade design. Design of school grounds, small parks, golf courses and the larger estates. Students should have preparation in systematic botany, plane surveying, mathematics, and free-hand drawing. Prerequisite: Courses 20, 21 and 22. Six hours laboratory. Three hours preparation. Three hours credit. First semester.

24. Landscape Design—23 continued. Second semester.

25. Principles of Plant Breeding—An elementary study of the principles underlying plant improvement, a study of the methods involved in

applying the principles of heredity to the improvement of horticultural plants. Practice in the technique of crossing. Prerequisite: Botany 1 and 2 or Plant Pathology and Physiology 101 and 102, or Zoology 11 and 12. Two hours attendance. Four hours preparation and library. Two hours credit. First semester. Howard

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

PLANT PATHOLOGY AND PHYSIOLOGY

Professor Wilcox (*Head of Department*), Associate Professor Link, Assistant Professor Davis

GENERAL INFORMATION

The offices, laboratories and lecture rooms are located in Plant Industry Hall. For use in the instructional work the department has a very extensive collection of lantern slides, charts, and other illustrative material. An extensive pathological herbarium and collection of economic plants are being developed as rapidly as possible. The large private library of the head of the department of Plant Pathology and Physiology, particularly complete in phytopathology, is available for the use of advanced students. A greenhouse has been arranged and specially equipped for experimental work in physiology and pathology.

A limited number of advanced students with proper training can be offered exceptional opportunities for research work in physiology and pathology. In some cases it is possible for such students to receive compensation for work done in connection with problems being investigated by the department.

GRADUATE WORK

The department is especially prepared to offer graduate work in pathology and physiology. To successfully undertake research work in these subjects students should have a broad training in botany, chemistry, and zoology; should be able to read French and German and should have taken at least six hours of work in this department. Before registering, students should consult the head of the department.

COURSES PRIMARILY FOR UNDERGRADUATES

101. **Elementary Botany**—A general introduction to the science of botany from the standpoints of morphology, physiology and ecology. Three hours lecture. Two hours preparation. Four hours laboratory. Three hours credit. First semester. Wilcox, Davis

102. **Elementary Botany**—101 continued. Second semester.

105. **Plant Physiology**—A course of selected experiments supplemented by lectures, conferences and readings designed to acquaint the student with the activities of plants. A study of the relations and processes that

deal with the maintenance, growth and reproduction of plants. Prerequisite: Courses 101, 102, and Agricultural Chemistry 100D, 100E or equivalent; 103 desirable antecedent. Three hours lecture. Four hours laboratory. Two hours preparation. Three hours credit. First semester.

Link

106. See Botany 20.

107. See Botany 15.

108. **Elementary Plant Pathology**—A course of lectures, laboratory work and selected readings constituting an introduction to the general subject. Practice in pathological technique is included. Prerequisite: Courses 101, 102 and with or following courses 105, 106. Three hours lecture. Four hours laboratory. Two hours reading. Three hours credit. Second Semester

Wilcox

FOR UNDERGRADUATES AND GRADUATES

115. **Advanced Plant Physiology**—A detailed study of the problems of plant physiology outlined in courses 105, 106. Prerequisite: Courses 105, 106 and Agricultural Chemistry 101, 102, 103 or equivalents. Three hours lecture. Six or twelve hours laboratory and preparation. Two to five hours credit. First semester.

Link

116. **Advanced Plant Physiology**—115 continued. Second semester.

117. **General Plant Pathology**—A broad survey of the development and present condition of our knowledge of plant disease. Special attention will be given to such subjects as the physiology and cytology of resistance and immunity, origin of parasitism, specialization, epidemics and climatic factors, malnutrition and unfavorable chemical and physical factors. Prerequisite: Courses 105, 108, and Botany 15, 20. Three hours lecture. Six hours laboratory. Three hours credit. First semester.

Wilcox

118. **General Plant Pathology**—117 continued. Second semester.

GRADUATES ONLY

125. **Problems in Plant Physiology**—Assigned problems in plant physiology. Laboratory work with hours for consultation. Two to five hours credit. First semester.

Link, Davis

126. **Problems in Plant Physiology**—125 continued. Second semester.

127. **Problems in Plant Pathology**—Assigned problems in plant pathology. Laboratory work with hours for consultation. Two to five hours credit. First semester.

Wilcox

128. **Problems in Plant Pathology**—127 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

AMERICAN HISTORY

Professor Caldwell (*Head of Department*), Professor Persinger, Professor Maxey, Miss Barnes, Mr. Senning, Miss Reynoldson, Miss Frum, Mr. Sheldon

UNDERGRADUATE WORK

1. Order of Courses—Students who have had no Modern European history in high school are advised to take European history 1 and 2, or English history 1 and 2 before entering on the study of American history. Those students who intend to specialize in the department ought to take courses 1, 2, 3, 4, 5 and 6 in order. But those who have had Colonial and Revolutionary history in the high school may omit courses 1 and 2; and will be permitted to enter on course 3 in their sophomore year. Students who wish only one or two years of American history may secure the work in their junior and senior years; such students are recommended to take courses 3 and 4, or 5 and 6, or, on the consent of the instructor, they may choose from advanced courses 15, 16, 18, 21, 25, or 26.

2. Requirements for Arts or Academic Majors and Minors—The requirements in American history for an academic major (24 or 32 hours) or minor (12 to 16 hours), may be satisfied by selecting, under the advice of the department, the requisite number of hours from the courses of this and allied departments.

3. Teachers' Majors and Minors—For 32-hour "history" major: European history, 12 hours; English history, 6 hours; American history, 6 hours (courses 11 and 12); remaining 8 hours elective within any or all of the three departments, on consultation with adviser. Major advisership for this "history" certificate may be taken in any one of the three departments.

For 28-hour American history major: American history 3, 4, 5, 11 and 12 (or 1 and 2); political science 1; two to five hours from American history 6, 15, 16, 21, 25, 26; remaining five to eight hours from European or English history 1 and 2, political science 2, or economics 1.

For 24-hour American history major: American history 3, 4, 5, 11 and 12 (or 1 and 2); political science 1; two to four hours from American history 6, 15, 16, 18a, 20, 21, 25, 26; remaining two to four hours from European or English history 1 or 2, political science 2, or economics 1.

For 15-hour American history minor: American history 3, 4, 5, 11 and 12 (or 1 and 2).

For 12-hour American history minor: American history 3, 4, 11 and 12 (or 1 and 2).

GRADUATE WORK

4. Objects—Graduate work in the department of American history affords opportunity to prepare for any one of the following four lines of work: (1) The teaching of American History in the best high schools of Nebraska and adjoining states, and in seminaries, academies, and smaller colleges. (2) Fellowships or instructorships in the older and large universities. (3) Investigational work in corporate, state, or national service. (4) Historical research and writing.

5. Time—From one to three (or more) years may be given to this preparation, under the direct advice and assistance of the instructors in the department, and culminating in the degrees of Master of Arts and Doctor of Philosophy. There are also exceptional opportunities for study in the collateral subjects of English and European history, political science and sociology, and economics and commerce.

6. Facilities—The University, State, and State Historical Society libraries afford a wide range of original material for work along many lines of historical investigation. Graduate students have free access to all these libraries, and in addition have for their use a seminary room in which are placed all books needed in their particular lines of research. Books not already on the shelves will be purchased or obtained from other libraries when necessary for thesis or other advanced work. Special seminary courses are offered; and investigation in the history of Nebraska and other states of the plains region will be undertaken and the results published from time to time.

7. General Requirements—Candidates for advanced degrees must present a good knowledge of general history, and at least 12 hours of American history above high school courses. Unless this amount of undergraduate preparation is actually presented, candidates for the Master's or Doctor's degree in this department should count on at least one full semester more of work than would otherwise be required for either degree.

8. Requirements for Master of Arts—Work for the Master's degree may be taken in the department as follows: (1) All the work for the degree, including the thesis, in the department. The minimum requirement is one full year's work, including a satisfactory thesis. (2) A major, sixty per cent, and the thesis in this department, and the remainder in either one or two other departments. (3) A double minor, forty per cent, or a single minor, twenty per cent, in this department, and a major and the thesis in some other department. In any case, the particular courses to be taken are arranged by the candidate and his instructors in such manner as to conform to the plans and preparation of each applicant.

9. Requirements for Doctor of Philosophy—The minimum for the degree of Doctor of Philosophy is three full years of graduate work, including the presentation of a satisfactory thesis. The work must be taken in at least two departments and may include three. For a major, sixty per cent of

the time must be given to this department; for a double minor, forty per cent; and for a single minor, twenty per cent. The thesis in all cases goes with the major. The particular courses to be pursued are arranged on consultation between the candidate and the heads of the departments in which the work is to be taken. Those taking a major in this department are expected to have a good general knowledge of European history and a fair acquaintance with the principles of political economy, public law, political science, and sociology. The thesis must show a reasonable degree of original research and independent treatment.

COURSES

1. **American History to 1688**—Open to all. Three hours attendance. Three hours credit. First and second semesters. Persinger

2. **American History from 1689 to 1789**—To follow course 1. Development of British imperial policy; French-English struggle for supremacy; British change of colonial policy after 1763; revolution, independence, and the war of independence; alliance, confederation, and constitution. Three hours attendance. Three hours credit. First and second semesters. Senning

3. **Early National Period, 1787-1829**—Not open to freshmen. Open to sophomores who have had European history 1 and 2, or English history 1 and 2, or American history 1 and 2, or a year of highschool American history in the senior class, and to all University juniors and seniors. Three hours attendance. Three hours credit. First semester. Caldwell

4. **Jacksonian Democracy, Slavery and the Civil War, 1829-1865**—Open to those who have taken course 3, and to juniors on consent and to all seniors. Three hours attendance. Three hours credit. Second semester. Caldwell

5. **Reconstruction and Industrial Movements, 1865-1892**—Open to those who have had 3 and 4, to juniors, seniors, and graduate students. Three hours attendance. Three hours credit. First semester. Caldwell

6. **American History Since 1893**—Open to those who have had 5, and to juniors, seniors and graduate students. Three hours attendance. Three hours credit. Second semester. Persinger

7. **British Colonial Policy**—Open to those who have had course 2 and to juniors, seniors and graduate students. Two hours attendance. Two hours credit. First and second semesters. _____

10. **Land Laws and Policy of the United States**—Open to agricultural, engineering and advanced academic students. Development of the successive "wests" of American history, with the problems and policies relating to each; policy and laws of the present day in regard to agricultural,

mineral, forest, and grazing lands. Three hours attendance. Three hours credit. Second semester. *Not given in 1917-1918.* Persinger]

11. **Teachers' Course in American History**—Review and organization of the subject matter of high school American history from 1492 to 1823; methods of high school history teaching; equipment, aids, etc. Five hours attendance. One to one and one-half hours preparation for each recitation. Three to four hours credit. First semester. Persinger

12. **Teachers' Course in American History**—11 continued. Subject matter of American history from 1824 to present time. Three to four hours credit. Second semester. Persinger

13. **Nebraska History and Political Institutions**—See Political Science 9. Two hours attendance. Two hours credit. First semester. Sheldon

[15. **Political Parties in American History**—The origin, development, principles and methods of American parties. An advanced course open to those who have had courses 1 and 2 and to juniors, seniors and graduate students. Three hours attendance. Three hours credit. First semester. *Not given in 1917-1918.* Caldwell]

16. **Constitutional History of the United States**—Evolution, formation, adoption, and interpretation of the constitution. Open to law students and to juniors, seniors and graduate students. Three hours attendance. Three hours credit. Second semester. Senning

18. **Latin America**—Open to advanced students upon consultation with instructor. Brief study of Latin-American history and relations, more detailed study of present-day Latin-American institutions, conditions, and opportunities. Two hours attendance. Two hours credit. Second semester. Persinger

21. **Advanced Course on American and Nebraska History of 1893 to 1897**—Open to juniors, seniors and graduate students. Semi-research course on national and correlated state history of the populist and free-silver period. Two hours attendance. Two hours credit. First semester. Persinger

22. **American Diplomacy** [Public Law 10]—Organization of Department of State and of diplomatic service. Methods. Problems and controversies growing out of them. Change in our diplomatic policy. Two hours attendance. Two hours credit. Second semester. Maxey

23. **Seminary**—For graduate students and special students who may be admitted to the course by the instructor. Study of library organization, bibliography, and methods of research. Reports on thesis and assigned topics, and lectures by invited specialists. Two hours attendance. Credit will vary with the amount and character of work done. Every year. Caldwell

24. **Seminary**—Course 23 continued. Second semester.

25. **Expansion of the American Nation and People**—Territorial acquisitions, treaties, problems, effects; westward movements—the frontiers; changes in and development of an American people; characteristics. An advanced course open to juniors, seniors and graduate students. Thesis work and study in the sources will be emphasized. Three hours attendance. Three hours credit. First semester.

26. **The Negro Problem under Slavery and Freedom, 1600-1915**—The history of the negro race in the United States; slavery—its development and problems. Emancipation and the negro under freedom; present conditions and problems. An advanced course open to those who have had courses 1 and 2 and to juniors, seniors and graduate students. Three hours attendance. Three hours credit. Second semester. Caldwell

33. **Nebraska Legislative Practice and Problems**—See Political Science Course 33. Two hours attendance. Two hours credit. First semester. Sheldon

34. **Nebraska Legislative Practice and Problems**—Continuation of 33. See Political Science course 34. Two hours attendance. Two hours credit. Second semester. Sheldon

33a. **Seminary on Nebraska History, Politics and Economics**—A research seminar in the history, political science, sociology and economics of Nebraska. Open to juniors, seniors and graduate students. Through the Nebraska Legislative Reference Bureau scholarships of one hundred dollars and up will be awarded to members of this course whose merits justify it, or whose research papers prove to be usable by the Bureau. Two hours attendance. Two hours credit. Given every year. First semester. Caldwell, Sheldon

34a. **Seminary on Nebraska History, Politics and Economics**—33a continued. Second semester.

37. **Graduate Conference**—Meeting of professors, fellows, scholars and graduate majors for discussion of professional or technical subjects, book reviews, methods, etc. No credit. First semester.

38. **Graduate Conference**—37 continued. Second semester.

ANIMAL HUSBANDRY

(See "Agricultural Courses")

ANIMAL PATHOLOGY

(See "Agricultural Courses")

APPLIED MECHANICS AND DESIGN

(See "Engineering Courses")

ARCHITECTURE

(See "College of Engineering")

ASTRONOMY

Professor Swezey (*Head of Department*), Professor Loveland, Professor Brenke

GENERAL INFORMATION

The Astronomical Observatory with its telescope and other instruments furnishes to elementary students an opportunity to study at first hand the more interesting heavenly bodies. They are given some practice in such exercises as finding accurate time by the stars, determining the latitude of the Observatory, and recognizing with the spectroscope the various elements present in the sun and stars. For advanced work the telescope is equipped with photographic, photometric and spectroscopic appliances; the meridian circle, zenith telescope, transit instrument, and sidereal clock and chronometers furnish facilities for the more important problems in the astronomy of precision.

The location on the campus of the United States Weather Bureau with its self-registering instruments and its daily compiling and printing of a weather map add much interest to the study of meteorology. A complete series of the daily weather maps for many years furnish original data for all sorts of climatological studies.

For the University Teachers' Certificate at least 12 hours credit are required for a minor including courses 1 and 2; for a major, 12 additional hours taken in courses "for undergraduates and graduates."

GRADUATE WORK

Master of Arts—Any of the courses offered to graduates and comprising six hours credit may constitute a minor for a student who takes two minors for his degree. Any two such courses may be taken as a single minor. Two such courses and a thesis constitute a major.

Doctor of Philosophy—The department does not undertake major work for this degree, but the courses offered for the degree of Master of Arts may be chosen as minors by candidates for the doctorate taking their majors in other departments.

PRIMARILY FOR UNDERGRADUATES

Meteorology

1. **General Meteorology**—A general survey of the earth's atmosphere, including composition and extent, temperature, moisture, dew, frost, clouds, precipitation, winds and storms. Students are taught the construction and use of weather maps and climatic charts, and the use and care of meteorological instruments. Two hours attendance. Two hours credit. First and second semesters.

Loveland

2. **Weather Forecasting**—A study of the laws of storms and the principles of forecasting. Prerequisite: Course 1. One hour attendance. One hour credit. First semester. Loveland

3. **Practical Meteorology**—A study of the application of meteorology to the various vocations, such as farming, forestry, and engineering; to the workers in the trades and professions; to the householder and ordinary citizens; showing the value and use of a knowledge of weather and climate. Prerequisite: Course 1. One hour attendance. One hour credit. Second semester. Loveland

GENERAL ASTRONOMY

Non-mathematical courses designed to give such a knowledge of the heavenly bodies as every educated person should possess.

5. **Introduction to Astronomy**—A short course introductory to all other courses. A brief survey of the field of astronomy, and of the instruments and methods by which our knowledge of the universe is obtained. Two daytime hours attendance (lecture and recitation) for one hour credit: or one additional hour credit for one evening hour per week devoted to the observation of the sky. First and second semesters. Swezey

6. **Descriptive Astronomy**—Course 5 continued and devoted to the more particular study of individual planets and stars. One to two hours credit. Second semester.

7. **General Astronomy**—The lectures summarize our present knowledge of the sun, stars, planets, comets and meteors, and the theories of their origin and development. The laboratory work consists mainly in the daytime study of a collection of photographs, transparencies and spectrograms made with various great telescopes of the world; the study of the observatory instruments themselves; the use of the spectroscope in detecting the elements present in the sun; also some evening work at the observatory including some observations with the telescope; learning the principal constellations, and charting the observed motions of the moon and planets in the sky. Course 5 prerequisite, but not course 6. Two hours attendance. Two hours credit. First semester. Swezey

8. **General Astronomy**—Course 7 continued. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

11. **The Astronomy of the Earth**—Closely related to physical geography. The earth as a planet. Its hydrosphere and atmosphere. Latitude, longitude and time. Map projections of the earth. The tides. Origin of the earth. Two hours credit. First semester. Swezey

12. **The Sun and the Earth**—Similar to course 11, but dealing with the sun's relation to the earth. The sun's control of climate in the different zones. Day and night in the different zones and seasons. Solar and

terrestrial magnetism. Revolution of suns and planets. Two hours credit.
Second semester. Swezey

PRACTICAL ASTRONOMY

13. **Timekeeping**—The use of the transit instrument in finding accurate time. The comparison and regulation of sidereal and mean time clocks and chronometers. Designed incidentally to fit the student to regulate the time service to the observatory. Requires plane trigonometry. One to two hours credit. First and second semesters. Swezey

14. **The Problem of Latitude**—The use of the meridian circle and the zenith telescope in the accurate determination of latitude, and similar problems. Requires plane trigonometry. One or two hours credit. First and second semesters. Swezey

Astronomy for Engineers

17. **Field Astronomy**—Methods of finding latitude, longitude, time and the meridian by the use of field instruments. Requires plane trigonometry. Three hours attendance. Three hours credit. First and second semesters. Brenke

18. **Geodetic Astronomy**—Methods of finding precise azimuths and latitudes, as employed by the U. S. Geodetic Survey. Three hours attendance. Three hours credit. Second semester. Brenke

Mathematical Astronomy

21. **Celestial Mechanics**—Requires the calculus. Three hours attendance. Three hours credit. First semester. Brenke

22. **Celestial Mechanics**—21 continued. Second semester.

Climatology

23. **Climatology**—Climates of different parts of the world. Causes of these differences. Prerequisite: Course 2. One hour attendance. One hour credit. One or two additional hours credit may be secured by further work in the study of the climates of selected localities. First semester. Loveland

24. **Climatology**—23 continued. Second semester.

BACTERIOLOGY AND PATHOLOGY

Professor Waite (*Head of Department*), Mr. Vose

GRADUATE WORK

As requirements for registration in this department for advanced degrees, the applicant must have completed work equivalent to that of a general scientific course in this University. The ability to read German and

French is necessary. Before registration for an advanced degree the candidate must consult the head of the department.

Master of Arts—Second minor: Courses 2a and 3, or 2a and 4. First minor: Courses 2a and 3, or 2a and 4 and its equivalent along some special line of research. Major: Advanced work following the courses outlined above with a thesis.

Doctor of Philosophy—Minor: The minimum requirement will be the equivalent of six hours of class work approved by the head of the department. Major: The candidate must have a thoro knowledge of general bacteriology equivalent to that required for the degree of Master of Arts. In addition to this he must have pursued and completed some original problem and must embody the results of his work in a thesis. The minimum time requirement must be at least that required by the University for the degree.

2a. Elementary Bacteriology—An introduction to the study of bacteriology. The relation of bacteria to other organisms. Their morphology and structure, chemical composition, and chemical changes which they produce. Two hours attendance. Four hours laboratory. Two hours credit. First and second semesters. Waite, Vose

Courses 3 and 4 must be preceded by course 2a.

3. Dairy Bacteriology—Sources of bacteria in milk. Lactic and butyric acid fermentations, peptonizing, rennet-forming and butyric acid-producing bacteria. Abnormal fermentations giving rise to slimy, bitter, red, blue, yellow and green milk. Relation of milk to spread of tuberculosis, typhoid fever, and other diseases. Sterilization and pasteurization. Bacteria in butter making. Microorganisms concerned in the production of cheese. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Waite, Vose

4. Agricultural Bacteriology—The nitrogen problem. Bacteria in ammoniacal fermentation, nitrification and denitrification. Bacteria as a means of reclaiming nitrogen lost from the soil. The employment of pure cultures in growing leguminous plants. Azotobacteria. Two hours attendance. Four hours laboratory. Two hours credit. Second semester. Waite, Vose

5. Bacteriology for Dental Students—The morphology, structure and chemical composition of microorganisms; chemical changes which they produce; principles of sterilization and disinfection; study of pathogenic bacteria with special reference to those of the mouth; principles of immunity with methods for securing it. Four hours attendance. Four hours laboratory. Three hours credit. First semester. Waite, Vose

6. Pathology for Dental Students—A study of general pathological processes with especial reference to inflammation, specific tissue reactions and tumors. Pathological changes occurring in the mouth and especially

in relation to the teeth are emphasized. Four hours attendance. Four hours laboratory. Three hours credit. Second semester.

Waite, Vose

BOHEMIAN

(See Department of Slavonic Languages and Literatures.)

BOTANY

Professor Pool (*Head of Department*), Associate Professor Weaver, Associate Professor E. R. Walker, Associate Professor L. B. Walker, Instructor Hannah, Mr. Fitzpatrick

GENERAL INFORMATION

*The department of botany now occupies new quarters in Bessey Hall which has been completed and equipped recently. Class rooms, well equipped store rooms and laboratories for elementary botany and undergraduate and graduate work in morphology, histology, cytology, taxonomy, ecology and mycology afford ample opportunity for extensive training in these phases of botanical science. The equipment is adequate for a wide range of investigations in the various subdivisions of the subject. Green-houses afford the necessary quarters for the culture of living plants to be used in the various courses as well as space for the use of research students.

The University Herbarium and the Herbarium of the Botanical Survey of Nebraska are again available after several years in storage because of the lack of room in the old building. The collections, now numbering 250,000 specimens are housed in new metal cases adjacent to the laboratory of systematic botany. The flora of nearly every civilized land is represented in these collections which contain a great amount of material available for careful taxonomic research. Many of the important exsiccati of the world are to be found here. Two of the important private collections which are now the property of the university are the Williams Collection of lichens consisting of 3,819 mounted specimens and the general herbarium of the late William Cleburne of Omaha numbering about 6,000 specimens.

The botanical library of some 15,000 books, pamphlets and separates is also conveniently housed in the building in new standard metal equipment. The most of the important American and European botanical periodicals are represented here by complete sets of bound volumes and in the current files.

The Botanical Seminar holds open meetings every two weeks for the reading of papers and discussion of botanical questions. To these meetings all students are welcome. Membership in the Seminar is restricted to advanced students of Botany who after invitation succeed in passing the entrance examinations set for them.

UNDERGRADUATE WORK

Students entering upon the study of botany in this university should take courses 1 and 2 or A or present an equivalent after which the most of the undergraduate courses may be elected to suit the requirements of the individual student. Students preparing to teach the subject in the high school should take in addition to the above work courses 3-4, 33-34, 20 and Plant Pathology and Physiology 105. Courses 13-14, 20 and Plant Pathology and Physiology 105 should be elected in preparation for Pharmacy and courses 25-26, 20 and Plant Pathology and Physiology 105 may be elected by those who are looking forward to a medical career. Those who plan to specialize in botany should consult often with the head of the department in order that the work may be properly correlated and that the undergraduate studies may meet the demands of the student.

The work and equipment of the department are so planned that students may prepare themselves for life work in various positions which demand considerable knowledge of botany. The more important demands are for teachers of botany in high schools, colleges and the universities, for botanists or specialists in one or another phase of the subject in the various offices of the Bureau of Plant Industry and the Forest Service of the United States Department of Agriculture and in the Agricultural Colleges and Experiment Stations. Information with reference to the possibilities of work in various directions may be secured from the head of the department.

The following combinations are recommended for undergraduate majors and minors:

- 30 hour major. Courses 1-2, 3-4, 5-6, 13-14, 33-34, 20 and Plant Pathology and Physiology 105.
- 24 hour major. Courses 1-2, 3-4, 13-14, 15 or 20 and Plant Pathology and Physiology 105.
- 20 hour major or minor. Courses 1-2, 3-4, 33-34, 20 and Plant Pathology and Physiology 105.
- 18 hour major or minor. Courses 1-2, 3-4, 13-14, 20 and Plant Pathology and Physiology 105.
- 16 hour major or minor. Courses 1-2, 13-14, 20 and Plant Pathology and Physiology 105.
- 14 hour minor. Courses 1-2, 3-4, or 1-2, 33-34 and 20 or Plant Pathology and Physiology 105.
- 12 hour minor. Courses 1-2, 20 and Plant Pathology and Physiology 105.
- 10 hour minor. Courses 1-2, 13-14.

GRADUATE WORK

Before formal registration for a degree for graduate work in this department the student must have satisfactorily completed general botany (courses 1, 2), general morphology (courses 3 and 4), and plant physiology

(course 20 and Plant Pathology and Physiology 105) or their equivalent (20 hours), and one year of zoology.

After consultation students may register for the following courses:

Master of Arts—For majors candidates may select work in cytology, histology, systematic botany, mycology and ecology, preferably in courses 37 to 46. For minors any courses excepting 1, 2, 3, 4, A, 20, 33, 34, and Plant Pathology and Physiology 105.

Doctor of Philosophy—Majors: Courses 37 to 46. Minors: Any courses which the student is prepared to enter (excepting 1, 2, 3, 4, A, 20, 33, 34 and Plant Pathology and Physiology 105).

Students in the Graduate School of Education who elect a major in botany must have had courses 1 and 2 (or their equivalent). They are recommended to take courses 3 and 4, and in addition courses 13 and 14, 33 and 34, 20, and Plant Pathology and Physiology 105.

A number of scholarships and fellowships in botany are available in the Graduate College for properly equipped students who wish to enter upon graduate work in botany. Information relative to these positions may be secured from the Dean of the Graduate College or from the head of this department.

COURSES PRIMARILY FOR UNDERGRADUATES¹

A. General Botany

Recommended to all students intending to make a thoro study of the science.

1. **General Botany**—Introduction to the structure and physiology of plants (protoplasm, cells, tissues and their activities). Field work on trees. General survey of the plant kingdom, including blue-green and green algae, the bacteria and fungi. Three hours lecture and quiz. Six hours laboratory or field work. Three hours credit. First semester.

Pool, L. B. Walker, Hannah

2. **General Botany**—The general survey continued, including brown and red algae, the fungi (including lichens), to flowering plants. Three hours lecture and quiz. Six hours laboratory or field work. Three hours credit. Second semester.

Pool, L. B. Walker, Hannah

Botany A (Botany 1 and 2)—The Department of Botany offers in the summer session this intensive course which includes the study of protoplasm, cells, tissues, (cytology and histology), and their activities (physiology), followed by the structure of selected representatives of the various

¹In general, students who enter the University with two points credit in botany or biology should register for courses 3, 13; or Plant Pathology and Physiology 105; those with less than two points entrance credit in botany or biology must register for general botany 1.

groups of plants in the vegetable kingdom (general morphology), together with an introduction to their physiology, distribution, and classification. This is a University course, being equivalent to Botany 1 and 2 of the first and second semesters, and will fully satisfy the University's requirement for six hours of credit in General Botany.

Those who register for this work must bear in mind that it will require practically all of their available time. The lectures are given every week day (six days), and followed immediately by not less than four hours of daily work in the laboratory (24 hours each week during the Summer Session). The credit for the completed work is six hours. Pool

3. **General Morphology**—A detailed study of the structure and classification of Myxophyceae to Carpomycetaceae, with particular reference to their identification and classification. Three hours lecture. Six to eight hours laboratory. Three to four hours credit. First semester.

E. R. Walker

4. **General Morphology**—A similar study of Bryophyta to Anthophyta; their origin and relationships; spore formation and the development of the embryo and formation of the primary tissues. A continuation of course 3. Three hours lecture. Six to eight hours laboratory. Three to four hours credit. Second semester.

E. R. Walker

COURSES FOR UNDERGRADUATES AND GRADUATES

B. Special Botany

I. Histological Botany

5. **Histology**—A study of the origin and development of tissues and tissue aggregates in higher plants, with the technique of staining and mounting extended to apply to all of the major groups of plants. Should be preceded by courses 1 and 2. Two hours lecture. Four to eight hours laboratory. Two to three hours credit. First semester. E. R. Walker

6. **Cytology**—A study of the plant cell, mitosis and sporogenesis in higher plants with cytological technique with reference to the mechanism of inheritance. Must be preceded by 1, 2, or their equivalent. Two hours lecture. Four to eight hours laboratory. Two to three hours credit. Second semester.

E. R. Walker

II. Systematic Botany

11. **Trees**—A review of the morphology and physiology of trees followed by work on the identification and classification of trees together with a study of the distribution of the more important forest trees of the United States. Emphasis is placed upon methods for identification. Two hours lecture or quiz. Four to six hours work in the laboratory, herbarium or field. Two to three hours credit. First semester. Pool

12. **Trees**—11 continued. Including a study of the structure of the more common economic woods leading to their identification; the relation of structure to strength, weight, shrinkage, grain, finish and other properties. These courses are designed to furnish teachers and others with a general knowledge of trees and woods which may be useful in practical daily life. Two hours lecture or quiz. Four to six hours work in the laboratory, herbarium or field. Prerequisite: Course 11. Two to three hours credit. Second semester. Pool

13. **Flowering Plants**—The principles of the classification of the flowering plants and their particular application to the orders of the Monocotyledons. Two hours lecture and quiz. Four to ten hours work in the laboratory, herbarium and field. Two to four hours credit. First semester. Pool, Hannah

14. **Flowering Plants**—The application of the principles of classification to the orders of Dicotyledons. This and the preceding course are intended to furnish a broad working knowledge of the flowering plants. Two hours lecture and quiz. Four to ten hours work in the laboratory, herbarium and field. Two to four hours credit. Second semester. Pool, Hannah

15. **Elementary Mycology**—The general morphology, physiology and classification of the fungi. Emphasis will be placed upon identification. Two hours lecture. Four to six hours laboratory and field work. Two to three hours credit. First semester. L. B. Walker

16. See Plant Pathology and Physiology 108.

17. **Advanced Mycology**—Study of a selected group of fungi including morphology, development and classification. Two lectures or conferences. Four to thirteen hours laboratory. Two to five hours credit. First semester. L. B. Walker

18. **Advanced Mycology**—17 continued. Second semester.

III. Physiological Botany

19. See Plant Pathology and Physiology 105.

20. **Elementary Ecology**—The study and measurement in the field and laboratory of the factors which make the plant's home together with a study of plant structures and activities in response to the environment. The composition and development of vegetation. Three hours attendance. Six hours field and laboratory work. Three hours credit. First semester. Weaver

21. **Plant Ecology**—An extended study and measurement of the factors to which plants are subjected in their natural habitats. The course also includes a field and laboratory study of the anatomy of leaves, stems and roots and the reproduction and dissemination of plants as related to external conditions. Two hours attendance. Four to six hours field and laboratory work. Two to three hours credit. First semester. Pool, Weaver

22. **Plant Ecology**—A continuation of course 21 but including methods for the study of the origin, development, structure and succession of vegetation types or plant associations. Detailed investigations will be made in the prairies, salt-basins and woodlands about Lincoln. An introduction to methods of ecological investigations. Two hours attendance. Four to six hours field and laboratory work. Two to three hours credit. Second semester. Pool, Weaver

27. **The Plant Geography of North America**—Lectures, herbarium work and assigned readings upon the natural plant life regions of North America. A general introduction to phytogeographic methods with particular reference to our own continent. Prerequisite: Courses 13, 14, 19, 20. Two hours attendance. Four hours preparation. Two hours credit. First semester. Pool

28. **The Natural Plant Life of Nebraska**—A special study of the natural vegetation of Nebraska by means of lectures, herbarium work and readings. The sources of the flora of Nebraska and the development and structure of the vegetation of the Prairies and Great Plains will also be studied. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Pool

IV. Technical Botany

29. **History of Botany**—A brief survey of the development and differentiation of botany from about 400 B. C. to the present day. For advanced and graduate students. Two hours attendance. Four hours reading and other preparation. Two hours credit. First semester. Pool, Weaver

31. **Botanical Literature**—A study of the sources of botanical information, books, periodicals and other valuable sources. Library work with frequent conferences and quizzes. For advanced and graduate students. Four hours library work. Two hours credit. First semester. Pool

33. **Botany for Teachers**—A course intended to acquaint students with the materials and methods of teaching botany in the high schools and colleges. Suggestions as to the composition and arrangement of courses; what to do in the laboratory and field; how to collect material and how to prepare material for future use; the herbarium and other illustrative material; books, guides and other useful literature; sources of materials and supplies for the laboratory. Prerequisite: Courses 1, 2 or 3, 4. Two hours attendance. Four hours preparation. Two hours credit. First semester. Weaver

34. **Botany for Teachers**—33 continued. Second semester.

COURSES FOR GRADUATES ONLY

The student may register for any one of these courses year after year until the completion of his problem.

37. **Mycological Research**—Assigned problems in field and laboratory. Five to ten hours credit. First semester. Pool, L. B. Walker
38. **Mycological Research**—37 continued. Second semester.
41. **Taxonomic Research**—Assigned problems in the field and herbarium. Five to ten hours credit. First semester. Pool
42. **Taxonomic Research**—41 continued. Second semester.
43. **Morphological Research**—Assigned problems in the morphology of a plant, or group of plants. Five to ten hours credit. First semester. Pool, E. R. Walker
44. **Morphological Research**—43 continued. Second semester.
45. **Ecological Research**—Assigned problems in field and laboratory. Five to ten hours credit. First semester. Pool
46. **Ecological Research**—45 continued. Second semester.

CHEMISTRY

Professor Dales (*Head of Department*), Associate Professor Borrowman,
Assistant Professor Fossler, Assistant Professor Frankforter,
Assistant Professor Lewis, Mrs. Gish

GENERAL INFORMATION

Courses A, B, 1, 2, and 3 give a general knowledge of the aims, principles and methods of the science. These courses, with 29, and six hours electives in the department fit students to teach chemistry in high schools and thus form a major for the University Teachers' Certificate. They serve also as a foundation for a thoro and exact scientific training. In them the student is given a general survey of the field of chemistry, both inorganic and organic, including the nature of chemical processes and the use of chemical apparatus.

Courses for the Arts and Sciences College major shall include A and B or equivalent, 1, 2, 3, 7, and 34 or 8 or 21 and 22 or 14. For the minor requirement in the Arts and Sciences College the 16-hour minimum must include courses 1, 2, 3 and 5 hours of advanced elective. A student entering without 2 points credit in chemistry will have to add Chemistry D to the above 16 hours.

The following sequence of courses is recommended for students in the general groups who specialize in chemistry:

First Year—Consult the head of department or associate in regard to registering for A and B, 1 and 2, or whether all four courses should be completed during the first year.

Second Year—For students who have completed 1 and 2, courses 3, 4, 5 or 7.

Third Year—Courses 8, 14, 34, 26 or 44.

Fourth Year—Courses 15, 16, 21, 22, 25, 27 or 39, 40.

Courses A, B, 1, 2, 3, 5, 14, 29, 34 and 41 are primarily for undergraduates.

Courses 4, 7, 8, 15, 16, 21, 22, 25, 26, 27, 39, 40, 43, and 44 are for the following classes of students:

1. Undergraduates who specialize in chemistry.
2. Graduates, particularly those who select chemistry as a minor for advanced degrees.

GRADUATE WORK

Graduate work in chemistry is based upon the assumption that the student has had courses A, B, 1, 2, 3, 25, and 26 or their equivalents. Courses 5, 7, and 8 are regarded as fundamentals and must be taken before a student may pursue chemistry as a major subject.

Students may pursue any special line of work in which they may have become interested as a result of advanced work in this or other universities. The opportunities for young men in technical work, especially assaying, railway chemical work, experiment station and government work, and with various manufacturing concerns are continually on the increase. Many of the station and government positions are open to young women. The demand for good science teachers is always greater than the supply.

Several graduate assistantships (paying \$400 a year and fees) and at least one fellowship and one scholarship are given to promising applicants each year. They may be renewed for a second year. The holder is required to give about half of his time to instruction in the general courses. Application should be made to the head of the department not later than April first.

Courses for advanced degrees usually lie in experimental chemistry and chemical theory, much latitude being allowed in respect to the exact topics. The attainment of a degree depends more upon the candidate's ability to think clearly and closely than upon the accomplishment of a fixed amount of work.

Master of Arts—Minors: Four to six hours selected from courses 7, 8, 15, 16, 21, 22, 25, 26, 27, 39, 40 and 44 with consent of the head of the department. Major: Advanced work along one of the lines indicated by courses above named and a thesis.

Doctor of Philosophy—Minors: Not less than six hours class work selected by the candidate upon consultation with the head of the department. Major: Graduate study and the preparation of a thesis which shall mark an advance in knowledge along the line of the subject chosen. The exact time requirement cannot be given, but shall be at least the minimum required by the University for the degree. The candidate for the doctorate from this department must choose two minors at least one of which shall be from allied subjects.

General Chemistry

¹A. General Chemistry—This course is designed to give a general view of chemistry. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. Four hours laboratory. Three hours credit. First semester.

Dales, Lewis, Gish

¹B. General Chemistry—A continued. Special attention is given to the metallic elements, the more common organic compounds and the applications of chemistry to every-day life. Prerequisite: Course A. Three hours lecture. Four hours laboratory. Three hours credit. Second semester.

Dales, Lewis, Gish

⁴D. The Non-Metallic Elements—Including the general principles of chemistry. The course is designed especially for those whose program of studies does not permit them to carry courses A and B before registering for course 1. Such students will attend the same lectures as are given in course A and in addition one hour quiz at a time to be arranged. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. First semester.

Dales, Lewis, Gish

26. History of Chemistry—Lectures; the elaboration of an assigned topic by each student. Prerequisite: Courses 1, 2, and 3. Two hours attendance. Two hours credit. Second semester. *Given in 1917-1918 and alternate years thereafter.*

Dales

28. Advanced Inorganic Chemistry—Elements discussed in order in which they occur in periodic table. Special consideration to the properties and interrelations of the groups. The rarer elements given detailed treatment. Lectures illustrated by experiments. Prerequisite: Courses 1, 2, and 3. Three hours attendance. Three hours credit. Second semester.

Dales

29. Teachers' Special Methods in Chemistry—Discussion in detail of the methods and procedure in teaching high school chemistry. Guiding principles in the selection and use of subject-matter and laboratory exercises. Supplies, apparatus and equipment for a laboratory. Efficient laboratory

¹A and B are not to be confused with courses of the same designation given prior to 1908. These courses are designed to present the subject to students in the College of Arts and Sciences. No previous training in chemistry is required. The course previously termed A, is now replaced by course D, while the older B is now designated combined 1 and 2.

In general, students desiring to study chemistry, who enter the University with two points credit, should register for Chemistry 1. Students with less than two points are expected, unless advised otherwise by the department, to register as follows: Those in the College of Arts and Sciences and in the Teachers College will register for Chemistry A. Students in the College of Engineering, and the College of Medicine will register for Chemistry D.

service. Educational aims, and relation of class-room instruction to laboratory work. Choice of text and reference books. Prerequisite: Courses 1, 2, 3. Two hours attendance. Three hours laboratory. Two hours credit. Second semester. Brownell

30. Teachers' Laboratory Course in Chemistry—A semester of teaching of classes in high school chemistry under closest critical supervision. Involves (a) class management, preparation for class instruction, making of lesson plans, review of examination papers, provision for desk experiments; (b) direction of the laboratory work of sections of the high school chemistry classes, with care of the laboratory and its supplies, preparation in advance for the experimental work, assistance to pupils at the tables, and review of laboratory papers handed in. To follow or in connection with Chemistry 29. Two hours conference. Four hours laboratory or three hours teaching. One or two hours credit. First and second semesters. Brownell

[44. Theoretical Chemistry]—Principles and theories of general chemistry. Two hours attendance. Two hours credit. Second semester. *Given in 1916-1917 and alternate years thereafter.* Fossler]

Analytical Chemistry

1. Qualitative Analysis—Elementary course required of technical and scientific students. Prerequisite: A and B, D, or 2 credit points. Two hours attendance. Four hours laboratory. Four hours preparation. Three hours credit. First semester. Borrowman, Lewis, Gish

2. Qualitative Analysis—1 continued. An introduction to quantitative analysis is included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Four hours preparation. Three hours credit. Second semester. Borrowman, Lewis, Gish

1 and 2 (combined). Qualitative Analysis—Prerequisite: Same as course 1. Four hours attendance. Eight hours laboratory. Six hours preparation. Four hours credit. Second semester.

Dales, Lewis, Gish

5. Qualitative Analysis—Study of characteristic reactions for the rarer elements and their application to analytical purposes; elementary spectroscopic analysis; dry way reactions. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First and second semesters. Dales

7. Quantitative Analysis—Gravimetric determinations of the more important bases and acids, including complete analysis of one limestone and one alloy. Prerequisite: Courses 1 and 2. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First and second semesters. Frankforter

8. **Quantitative Analysis**—7 continued. Volumetric analysis, electrolytic analysis and sanitary analysis of water. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First and second semesters. Frankforter

19. **Dental Chemistry**—Chemistry and metallurgy as applied to dentistry. Two hours lecture. Four hours laboratory. Two hours credit. First semester. Borrowman

20. **Dental Chemistry**—19 continued. Second semester.

21. **Assaying**—Lectures, readings and laboratory work on the qualitative examination of the common minerals and ores and the quantitative determination of gold, silver and lead in ores and metallurgical products. Students are urged to take along with the assaying courses, or preferably before, courses 15 and 16 in Geology. Prerequisite: Courses 1 and 2. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Borrowman

22. **Assaying**—Lectures, readings and laboratory work on the quantitative analysis of ores and metallurgical products by wet methods, including the tests made in cyanide practice. May be taken without having had course 21 providing the student first takes up the qualitative work of course 21, for which credit will be given. Prerequisite: Courses 1 and 2. Two hours attendance. Four to thirteen hours laboratory. Two to five hours credit. Second semester. Borrowman

39. **Advanced Analytical Chemistry**—A more extended study of chemical analysis than that offered in courses 7 and 8. Laboratory practice leading to analytical research. Six to fifteen hours laboratory. Two to five hours credit. First semester. Dales

40. **Advanced Analytical Chemistry**—39 continued. Second semester.

Organic and Physiological Chemistry

3. **General Organic Chemistry**—The important classes of organic compounds of the aliphatic and benzene series. Derivatives. Preparation of typical compounds. Prerequisite: Courses 1 and 2. Five hours attendance. Eight hours laboratory. Five hours credit. First semester. Fossler

4. **Organic Preparations**—Special chapters in Organic Chemistry. Working for quantity as well as quality in preparing the compounds outlined in Emil Fischer's Manual "Organic Preparations." Prerequisite: Courses 1, 2, and 3. Three hours lecture. Four to ten hours laboratory. Three to five hours credit. Second semester. Fossler

15. **Organic Analysis**—Prerequisite: Courses 1, 2, and 3. Three

hours attendance. Four hours laboratory. Three hours credit. First semester. Fossler

16. **Organic Analysis**—15 continued. Second semester.

34. **Physiological Chemistry**—Comparative study of plant and animal chemistry. Designed for those interested in biology. Prerequisite: Courses 1, 2, 3. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. Second semester. Fossler

14. **Food and Sanitary Chemistry**—Chemical processes of nutrition, valuation of foods, preservatives, cleansing agents, etc., with a practical laboratory course in food and water analysis, including analysis of flour, milk, oils, etc., also the detection of adulterants and impurities. Prerequisite: Courses 1, 2, and 3. Five hours lecture with demonstrations. Eight hours laboratory. Five hours credit. Second semester. Fossler

43. **Nitrogen Chemistry**—An elective course of one hour lecture a week on the evolution of compounds of nitrogen, their properties, and products of dissociation. Prerequisite: General inorganic and organic chemistry. One hour credit. First semester. Fossler

Physical Chemistry

25. **Physical Chemistry**—Elementary course, the general principles of physical chemistry with applications to chemistry and to other sciences; designed for students in the Arts and Sciences and Medical Colleges. Prerequisite: Courses 1, 2, and 3. Two hours lecture. Two hours credit. First semester for Arts students, second semester for Medical students.

Dales

27. **Physical Chemistry**—Laboratory course. Methods of most general application to chemistry. May be taken with or after course 25. Six hours laboratory. Two hours credit. Second semester. Dales

Technical Chemistry

23. **Engineering Chemistry**—Lectures and readings on the sources, manufacture, composition (with special reference to efficiency) and behavior, under various conditions, of the materials of engineering—iron and steel and other metallic materials, wood, stone, clay, mortars, and cements, fuels, water, lubricants, paints and varnishes, etc., with a laboratory course in the analysis of the same. Required of all engineers. Prerequisite: Courses 1 and 2. Two hours attendance. Four hours laboratory. Two hours credit. First and second semesters. Borrowman

23a. **Engineering Chemistry**—A laboratory course for engineers and others who wish to do more than is required in course 23. May be taken with or after course 23. Students may select work according to interest and needs and arrange with instructor for readings and laboratory hours. Prerequisite: Courses 1 and 2. Hours credit dependent on amount and quality of work done. Borrowman

CIVIL ENGINEERING

(See "Engineering Courses")

DAIRY HUSBANDRY

(See "Agricultural Courses")

DRAWING AND PAINTING

(See "Fine Arts Courses.")

ECONOMICS AND COMMERCE

Professor LeRossignol (*Head of Department*), Professor Virtue, Associate Professor Stephens, Associate Professor Martin, Assistant Professor England, Mr. Bullock, Mr. Cole

UNDERGRADUATE WORK

Order of Studies—Students who can take but one year's work in Economics are advised to take courses 1 and 1a. Those who expect to take several courses may begin with courses 1 and 1a, which are prerequisite to all but courses 3, 4, 5, 9, 10, and 13; or they may begin with some of these more descriptive courses, which give a good preparation for course 1.

Major and Minor Requirements—Students taking a major (24 to 32 hours) in Economics are required to take courses 1, 1a, 9, 10, 15 and 16, and are advised to take also courses 2, 19, 24, 25, 26, 31, and 35. Students taking a minor (16 hours) in Economics are required to take courses 1 and 1a.

The School of Commerce was organized in 1913 for the purpose of giving professional training to students preparing for a business career, for employment in certain branches of the public service and for the work of teaching Economics and Commerce in high schools and colleges. Special courses are provided in Accounting, Business Organization, Business Law and kindred subjects. Copies of the Bulletin of the School of Commerce may be had on application to the Registrar.

Vocational Training—Many of the courses in Economics are of special value to students preparing for agriculture, engineering, law, journalism, the public service, insurance, banking, or other lines of business activity, and students should plan their courses in consultation with the instructors of the Department with such ends in view.

GRADUATE WORK

Candidates for the degree of Master of Arts are required to complete at least one year's work and to present a satisfactory thesis, showing ability to carry on independent investigation and to assemble the results. A candidate may give all of his time to economic studies, or he may offer a major (24 hours) in one department and a minor (10 hours) in another.

Candidates for the degree of Doctor of Philosophy are required to complete at least the equivalent of three years' work after taking the Bachelor's

degree, or two years' work after the Master's degree, but the degree will not be granted unless the candidate attains a satisfactory standard of scholarship, irrespective of time of residence or study. In addition to his major course, which should represent about three-fifths of the total work, the candidate may offer either one minor or two. Candidates taking a major in Economics are usually advised to take minors in History, Political Science, Philosophy or other subjects more or less closely related to the major. In every case a thesis is required, embodying the results of original investigation.

The University offers excellent opportunities for graduate study and research. Several important libraries are accessible to students, and there is no lack of promising fields of investigation, particularly along lines of public and private finance, economic history of Nebraska and the West in general, agricultural conditions, commercial relations, and problems of capital and labor. The Department offers a number of special courses, and these may be supplemented by allied courses in other departments.

1. **Principles of Economics**—Elementary course. Preliminary view of the subject. Intended as a preparation for the more special courses offered in the Department. The industrial organization of society; development of natural resources; occupations and the division of labor; production, exchange and distribution of wealth; utility and value; wages, interest, rent and profits; money and credit; rise and fall of prices and the cost of living; transportation; domestic and foreign commerce; protection and free trade; trusts and trade unions; state and municipal ownership; socialism. (Courses 1 and 1a are prerequisite to all of the following except courses 3, 4, 5, 9, 10 and 13.) Three hours attendance. Three hours credit. First semester.

LeRossignol, Virtue, Stephens, England, Bullock

1a. **Principles of Economics**—1 continued. Three hours attendance. Three hours credit. Second semester.

2. **Money and Banking**—Origin of money; early forms of currency; metallic money; credit money; monetary history of the United States; bimetallism; the gold standard; relation of money and credit to the general level of prices; nature and use of credit; domestic and foreign exchange; history and theory of banking; banking systems of Great Britain, Germany, France and Canada; national, state and private banks, the Federal Reserve Act. Three hours attendance. Three hours credit. First semester.

England

2a. **Practical Banking**—A course in banking practice, treating of the actual operations of the various departments of a bank. Special attention is given to classification of loans, collateral, investments, domestic and foreign exchange, bank accounts, and the relation of banks to their customers and correspondents. Two hours lecture. Two hours laboratory. Two hours credit. First semester.

England

3. **Commercial Geography**—A general survey of the fundamental conditions and human agencies affecting industrial and commercial development, followed by a careful study of the natural resources, industries, and products of the United States, continental and insular. Emphasis is laid upon domestic trade in relation to the localization of industry. (For a discussion of the physical basis of commerce, attention is called to courses 5 and 6 of the Department of Geography.) Two hours attendance. Two hours credit. First semester. Stephens

4. **Commercial Geography**—A continuation of course 3. A study is made of the leading commercial countries of the world with respect to their industries, commodities, and commerce. Special attention is given to the part which those countries play in world commerce, and particularly in trade with the United States. Prerequisite: Course 3. Two hours attendance. Two hours credit. Second semester. Stephens

5. **Principles of Accounting**—An introductory course designed to furnish such a knowledge of accounting as will be of value to the business executive and will also serve as a foundation for the work of the professional accountant. The business equation, the various kinds of accounts and their relation to each other, the development of the books and records, the character and purpose of financial statements and similar topics are considered. The relation of accounting to business management is emphasized thruout the course. Two hours attendance. Three hours laboratory. Three hours credit. First semester. Martin, Cole

5a. **Principles of Accounting**—A continuation of course 5. Two hours attendance. Three hours laboratory. Three hours credit. Second semester. Martin, Cole

5b. **Cost Accounting**. The nature and purpose of cost accounts and their relation to the commercial and financial accounts of a concern. The proper methods of recording material and labor costs; the items comprising overhead expense and the various methods of apportioning such expense to the different units of products; the preparation of cost reports; the application of cost accounting principles and methods to various types of industries. Prerequisite: Courses 5 and 5a. Two hours attendance. Two hours laboratory. Two hours credit. Second semester. Martin

5c. **Advanced Accounting**—Advanced theory of accounting with practice in the solution of problems selected from C. P. A. examinations in various states. Among the topics considered are: The valuation of assets; capital vs. revenue expenditures; goodwill; depreciation; reserves and reserve funds; sinking funds; realization and liquidation accounts; insolvency accounts; executorship accounts; consolidations. Prerequisite: Courses 5 and 5a. Three hours attendance. Three hours credit. First semester. Martin

5d. **Advanced Accounting**—A continuation of course 5c. In addition

to the topics mentioned consideration will be given to the accounts of municipalities and other governmental bodies and of public institutions. Three hours attendance. Three hours credit. Second semester.

Martin

5e. **Auditing**—The duties and responsibilities of an auditor; the methods of conducting various kinds of audits; the preparation of the auditor's report; the auditor's certificate; special problems in the audit of different kinds of business undertakings. Prerequisite: Course 5d. Two hours attendance. Two hours credit. First semester.

Martin

6. **Fire Insurance**—The rise, progress, and present status of fire insurance are briefly outlined and the functions of such insurance noted. Special attention is given to the making of rates and to hazards, the basis of rate making. The provisions of the New York standard policy are studied with considerable minuteness. The organization of the company and agencies, and the relations existing between company, agent, and insured are considered. Thruout the course the regulations of the Nebraska Insurance Code and those of other states are emphasized. Three hours attendance. Three hours credit. First semester.

Stephens

6a. **Life Insurance**—The historical development of life insurance is reviewed and the economic importance of such insurance emphasized. The essential features of insurance administration, governmental control and supervision of insurance companies, the various methods of computing premiums, the organization and management of agencies, taxation of insurance companies, and other important questions are discussed. Special attention is given to a detailed comparative study of the chief provisions in various sample policy contracts. (Students desiring to study the mathematical basis of insurance are advised to take Mathematics 42.) Three hours attendance. Three hours credit. Second semester.

Stephens

[7. **History of Commerce**—The chief features of commercial development during medieval and modern times; the bases of commercial intercourse; the evolution of methods of inland and ocean transportation; the trade of leading commercial nations; changes in forms of commercial organization; the rise of trading companies and modern corporations, waves of trade; shifting of trade routes; development of shipping and the art of navigation; commercial policies of leading nations and the theories upon which they have rested. Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.*

Virtue]

9. **Economic History of the United States**—This course deals with the main lines of our industrial development from the colonial period to the middle of the 19th century. The chief topics discussed are colonial industries and commerce; the economics of the Revolution; the settlement of the West; the growth of fundamental industries; commerce and shipping; commercial policy, including the early history of the tariff; financial

history, including monetary and banking arrangements; history of manufactures; labor systems and labor organizations. Two hours attendance. Two hours credit. First semester. Virtue

10. **Economic History of the United States**—A continuation of course 9, showing the economic development of the United States from the middle of the 19th century to the present time. The general lines indicated in course 9 are followed and new features in industrial life are treated as they arise, such as westward expansion, the land policy of the government, the development of transportation, the economics of slavery, agrarian and labor movements, corporations and trusts, the decline of our merchant marine, the growth of domestic and foreign commerce, present industrial position of the country. Two hours attendance. Two hours credit. Second semester. Virtue

11. **Tariff History of the United States**—While the tariff policy of the United States and its relation to industry and trade is the chief subject of study, the course includes also a survey of the tariff systems of other countries; a study of the merits of protection and free trade; our reciprocity agreements and their results; a study of selected industries in relation to tariff legislation; the main features of tariff administration. Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.* Virtue]

12. **Financial History of the United States**—The course covers the field of the financial operations of the Federal government since 1789; but gives special prominence to the period since 1860. It deals with sources of Federal revenue and objects of expenditure; financial management in time of war; the movement of the public debt and its management; the evolution of our monetary and banking systems. Three hours attendance. Three hours credit. Second semester. Virtue

13. **Business Law**—Contracts, including mistake, fraud, duress, and capacity of parties; agency; insurance; sales and mortgages of personal property; bailments. Three hours attendance. Three hours credit. First semester. Bullock

14. **Business Law**—A continuation of course 13. Negotiable instruments; suretyship and guaranty; partnership; private corporations; bankruptcy. Three hours attendance. Three hours credit. Second semester.

15. **Advanced Economics**—A review of the fundamental principles of economics devoted chiefly to theories of value and distribution. History of economic thought; medieval economics; Mercantilists, Cameralists and Physiocrats; the English classical economists; the Historical School; the Austrian School; relation of economic theory to industrial conditions; importance of economic theory in relation to social reform. Students registering in this course are expected to continue in course 16. Two hours attendance. Two hours credit. First semester. LeRossignol

16. **Advanced Economics**—A continuation of course 15. Two hours attendance. Two hours credit. Second semester.

[19. **Economic Crises**—A comparative study of economic, industrial and financial crises from the seventeenth century to the present day. Especial attention is given to the recent world crises. The work covers the local and minor crisis preliminary to the main crisis and the transmission of the crisis from country to country; the fluctuation in investment, bank items, and prices in the principal countries; the action and reaction between industrial activity and financial business. Supplementary readings on the theory of crises. Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.* England]

20. **Business Course for Women**—Elements of banking and finance; property rights; management of estates; investments. A course designed primarily for students in domestic science, but open to all women of junior and senior standing. Two hours attendance. Two hours credit. First semester. England

21. **Stock Exchanges**—A study of the New York Stock Exchange, the Stock Exchange of London, the Berlin Bourse, the Paris Bourse, and other prominent exchanges; functions and regulation of speculation; securities traded in; requirements for listing securities; stock market quotations and statistics. Two hours attendance. Two hours credit. First semester. England

[22. **Municipal Industries**—A study of the principles and methods involved in the construction and operation of municipal public utilities; growth and importance of these industries in the United States and in foreign countries; direct versus contract method of construction and repairs; municipal ownership versus regulated private ownership of the leading public service utilities. Three hours attendance. Three hours credit. Second semester. *Not given in 1917-1918.*]

24. **Railway Economics**—This course includes a brief survey of the evolution of transportation; its relation to economic and social life; problems of railway competition and how they have been met; financial methods of railway companies; railway accounts; principles of rate making; history of state and federal legislation; public control thru state and federal commissions; government ownership and its results. Three hours attendance. Three hours credit. First semester. Virtue

25. **Corporation Finance and Investments**—This course includes a study of corporate organization, capitalization, income, expansion, readjustment and contraction. Special emphasis is given to the discussion of the merits and elements of the stocks and bonds of industrial, public service and railway corporations as investments, and the stock market methods underlying their purchase and sale. Two hours attendance. Two hours credit. First semester. Stephens

25a. Investments—A continuation of course 25. Two hours attendance. Two hours credit. Second semester. Stephens

26. Trust Problems—The rise and development of trust forms of business organization; the conditions essential to the operation and growth of trusts; the elements of large-scale production and monopoly entering into the formation of trusts; dangers arising from their unrestricted operation; remedies, including governmental interference; Federal and state anti-trust laws and decisions. Two hours attendance. Two hours credit. Second semester. Stephens

27. Marketing—The distribution of manufactured products; the different selling agencies and their relation to the distribution system; selling problems and the sales organization of the manufacturer; the wholesaler; the general retailer; the co-operative store; the department store; the mail order store; the chain store. Emphasis is placed upon the problems of retail store organization and management. Two hours attendance. Two hours credit. First semester. Martin

27a. Advertising—The theory, practice and technique of advertising; advertising as a business force; economic aspects of advertising; advertising as affected by the commodity and the medium; the advertising manager; the advertising agency. In order to familiarize the student with advertising problems, assignments will be given in the formulation of advertising campaigns and the preparation of copy. Two hours attendance. Two hours credit. Cole

28. Business Organization—A study of the underlying principles of organization and management and their application in various types of undertaking. The planning of buildings and equipment; the purchase and handling of materials; the employment, direction and payment of labor; welfare work; administrative control; orders and reports; scientific management. Three hours attendance. Three hours credit. Second semester. Martin

31. Public Finance—A study of the principles of public finance; nature and growth of public expenditures; sources of revenue; nature of the taxing power; chief features of various tax systems, especially those of the United States, England, France and Germany; theory, methods of administration and individual effects of various taxes; systems of financial administration, especially methods of budget control; public debts, their forms and management. Three hours attendance. Three hours credit. First semester. Virtue

32. Public Finance: State and Local Taxation—A continuation of course 31. The course deals mainly with revenue problems in the American States and centers largely around the law and practice in Nebraska; the general property tax, its theory and operation; problems of corporation

and business taxation; income and inheritance taxes; problems of state and local administration; current movements for tax reform. Open to those who have had course 31 or its equivalent. Three hours attendance. Three hours credit. Second semester. Virtue

[34. **Statistics**—The theory, preparation and interpretation of statistics; the statistical unit; the different kinds of averages and their uses; frequency curves; the normal curve of distribution; correlation; accuracy; graphic methods; application of statistics to business. (Students desiring further work in statistics are advised to take Mathematics 41.) Two hours attendance. Three hours laboratory. Two hours credit. Second semester. *Not given in 1917-1918.* England]

35. **Labor Problems**—History of the labor movement in Europe and America; wages in the 19th century; theory of wages; methods of remuneration; the minimum wage; hours and conditions of labor; migration; organization and conflicts of capital and labor; conciliation and arbitration; employers' liability; insurance and pensions; workingmen in politics; relation of Socialism to the labor movement. Three hours attendance. Three hours credit. First semester. LeRossignol

36. **Methods of Industrial Peace**—A special study of the labor problem as a conflict between employers and laborers, harmony and divergence of interests; organization of employers and laborers; their aims and methods; interests of the general public; gains and losses thru strikes; trade agreements; conciliation; voluntary and compulsory arbitration; co-operation; profit sharing; political activities of workingmen and benefits obtained thru legislation; experience of New Zealand, Australia and Canada; progress of the working class in the United States and other countries. Three hours attendance. Three hours credit. Second semester. LeRossignol

[37. **Socialism**—History of socialistic thought before the French Revolution; Utopias of Plato, More, Campanella; relation of the French Revolution to modern Socialism; Utopian theories of Owen, Saint-Simon, Fourier; communistic experiments in Europe and America; Proudhon, Blanc, and other French socialists; Marx, Engels, Lassalle and other German socialists; growth of Socialism thruout the world; Socialism in the United States; Syndicalism; recent socialistic theory and criticism. Three hours attendance. Three hours credit. First semester. *Not given in 1917-1918.* LeRossignol]

38. **The Minimum Wage**—History of minimum wage legislation in New Zealand, Australia, Great Britain and the United States. A seminar course open to graduates and other advanced students. Three hours attendance. Three hours credit. Second semester. LeRossignol

45. **Economic Seminar**—Open to a limited number of graduates and other advanced students. Each student will make an intensive study of a given subject, under the direction of a member of the Faculty, and will report the results of his investigation before the class. Members of the Faculty also will give lectures and take part in the discussions. One to two hours attendance. One to three hours credit. First semester.

LeRossignol, Virtue, Stephens, Martin, England

46. **Economic Seminar**—A continuation of course 45. Students registering for course 45 will be expected to continue in course 46, and will receive credit according to the work which they do. One to three hours credit. Second semester.

EDUCATIONAL COURSES

I. EDUCATION

Professor Luckey (*Head of Department*), Miss Munson

The department as now organized offers courses in the history, science, and philosophy of education, fundamental to the undergraduate and graduate preparation of teachers. It is closely correlated with the departments of psychology (Philosophy) and applied education (Theory and Practice). Its courses are planned for juniors, seniors and graduates, and should not be taken by others except on the advice of the instructor. The courses are arranged in sequence, and will be found more helpful when pursued in the order given.

To meet the need of pedagogical instruction in the normal training high schools and in the normal schools as given in the undergraduate college the department offers a major in education as follows: (1) The major to include three hours in Education, three hours in Theory and Practice and three hours in Philosophy in addition to the present requirement of fifteen hours in Education and six hours in Philosophy for the University teachers' certificate; or (2) the major to include three hours in Education or in Theory and Practice and six hours in Philosophy in addition to the present requirements for the University teachers' certificate as given above.

For the above major in Education, courses 1, 2, and 7 in Education and 1 and 2 in Philosophy are required of all. The additional courses to make up the required number of hours may be elected by the student under the advice of the head of the department.

GRADUATE WORK

The chief aim of the department of education in its graduate work, (see under Graduate School of Education), is to furnish opportunity to school officers, principals, superintendents, teachers of education, college and nor-

mal school instructors and public spirited citizens, for advanced study and investigation of important problems in education. A secondary aim is to advance the profession of teaching, by aiding students in discovering themselves, and by encouraging them in productive activity.

For the graduate teachers' diploma, (see Graduate School of Education), there is a requirement of twelve semestral hours in education. To meet this requirement courses 5-6, 8-14, 36 may be elected, or the student may elect four hours from graduate courses in applied education. For the above diploma courses 1, 2, 7 in Education are prerequisite.

Candidates for advanced degrees in education must have completed the professional requirements leading to the University Teachers' Certificate or undergraduate college credit in education equivalent to at least twelve semestral hours. Proficiency in one or more academic subjects taught in the high school is also required.

Master of Arts Requirement—Second Minor: Four hours class-room work for one year. First Minor: Six hours class-room work for one year, with assigned readings equivalent to a two-hour course. Major: At least six hours class-room work for one year, assigned readings and a thesis representing the equivalent of a six-hour course for one year.

The major for the master's degree may be accepted as a minor for the doctorate. The department is not at present sufficiently equipped to encourage candidates for the doctor's degree in Education; however, facilities for a limited number of strong candidates can be provided. A major for the doctor's degree in Education requires three years of graduate work of not less than twelve semestral hours per year and a thesis equivalent to half as many more hours. The number of hours required for major and minor, as given above, is only approximate, and cannot be relied upon unless the quality of the work is of high order.

The department has a scholarship and a fellowship open to graduate students of special merit. The scholarship is open only to students of full graduate rank while the fellowship is open to Masters or students of one year graduate standing in Education.

COURSES

1. **History of Education**—Ancient and mediæval, beginning with the earliest periods and extending to the time of Rousseau. A study of the physical, moral and intellectual development of mankind, including man's efforts to realize his ideals thru systems of education. An interpretative course, outlining more or less clearly the stages of racial development and the order and growth of the more important instincts. Important as a foundation to advanced work in education. Prerequisite to graduate courses in education. Open to juniors, seniors and graduates. Three hours attendance. Three hours credit. First semester.

Luckey, Munson

2. **History of Modern Education**—From the time of Rousseau to the present, including the beginning, growth and present condition of education in America. Open to juniors, seniors and graduates. Three hours attendance. Three hours credit. Second semester.

Luckey, Munson

3. **Educational Classics**—A historical and critical study of the educational writings of Rousseau, Pestalozzi, Herbart, Froebel, and Spencer, a valuable preparation for course 7. Rousseau's *Emile*, Pestalozzi's *Leonard and Gertrude* are the subjects for first semester. Open to juniors and seniors. Three hours attendance. Three hours credit. First semester.

Munson

4. **Educational Classics**—3 continued. Froebel's *Education of Man* and Herbart's *Science of Education*. Three hours attendance. Three hours credit. Second semester.

Munson

5. **Systems of Education**—Their origin and development, including a comparative study of the leading systems of education in Europe and America. The educational systems of Germany, France, England and the United States are separately studied and compared. Open to seniors and graduates. Two hours attendance. Two hours credit. First semester.

Luckey

6. **School Hygiene**—A seminary course devoted to the study of school environments and curricula in reference to their effect upon the health, growth and development of school children, including the location and sanitation of school buildings—light, heat, ventilation, furniture, medical inspection, school diseases, baths, lunches; sleep, food, clothing, exercise, study, fatigue, recreation, health of teacher and pupils. Open to seniors and graduates. Two hours attendance. Two hours credit. Second semester.

Luckey

7. **Child Study**—The physiology and psychology of childhood, with reference to the pedagogical principles involved; the literature and investigations of special interest to teachers; specific methods used in child study; the effect of child study on methods of instruction, school management and other subjects of practical pedagogy. This course is concerned with the nature, health, growth, and development of the child for the first twelve years. It is fundamental to the course in adolescence. Open to juniors and seniors. Three hours attendance. Three hours credit. First semester.

Luckey

8. **Experimental Education**—A critical study of the psycho-educational processes involved in teaching; of the methods used and the results obtained thru child study investigations and educational experimentation; of the important school surveys and their value. Emphasis is placed on the evolving mind, and the training of students to become accurate observers and original thinkers. Lectures, readings, experiments, and special reports.

Planned especially for graduates majoring in education. Open to all members of the Graduate School of Education who have college credit in child study and psychology. Three hours attendance. Two hours laboratory. Three hours credit. Second semester.

Luckey, Munson

9. **Adolescence**—The health, growth, mental and moral development of youth as related to the various problems of secondary education such as attendance, interest, habits of study, discipline, school spirit, ideals, play, work, character. An advanced course in child study especially adapted to secondary teachers, principals and superintendents. Prerequisite: Courses 1, 2 and 7. Intended primarily for graduates. Two hours attendance. Two hours credit. First semester.

Luckey

10. **Adolescence**—9 continued. Second semester.

11. **Philosophy of Education**—A study of the principles underlying all education, and their influence in determining the material, the curriculum, and the method of instruction. Open to graduate students or seniors specializing in education. Two hours attendance. Two hours credit. First semester.

Luckey

12. **Philosophy of Education**—11 continued. Second semester.

13. **Graduate Seminary**—A study of current educational literature as found in the best periodicals, and a study of one or more educational problems of special interest to the teachers of Nebraska. Students will be directed in the preparation of theses and productive studies leading to higher degrees in education. Open to graduates who are working for higher degrees in education. One or two hours credit. First semester.

Luckey

14. **Graduate Seminary**—13 continued. Second semester.

II. EDUCATIONAL PSYCHOLOGY

In charge of Professor Wolfe

16. **Educational Psychology**—A practical study of the factors which influence the development of body and mind. Open to teachers and also to students in the last two years of their course who have had a semester of psychology. Two hours attendance. Two hours credit. Second semester.

Wolfe

III. EDUCATIONAL THEORY AND PRACTICE

Professor Fordyce (*Head of Department*), Miss Allen, Mr. Marrs

GENERAL INFORMATION

The aim of this department is to make a practical application of the underlying principles of philosophy and education to the teaching process. During his junior and senior years, each candidate makes a critical study of the relation between the learning process and the teaching process, and is required to engage in actual teaching under supervision, until he has gained more or less skill as an instructor. At least one semester is devoted to observation and criticism of expert teaching as exemplified in the Teachers College High School and the Lincoln Public Schools. Those preparing for kindergarten education devote, during their junior or senior year, three hours a day for one semester to apprenticeship in the kindergartens of the Lincoln schools, where they become familiar with the aims of kindergarten instruction. Those preparing for the primary, intermediate or grammar school devote, during their junior or senior year, six hours for one semester to apprenticeship in one of the grades of the Lincoln schools. Candidates desiring to enter the field of secondary instruction, assume for one semester in the Teachers College High School the entire charge of the class from three to five hours a week.

Candidates for Normal Training work in high schools, and for other teacher training service, may for the Teachers College Diploma and the University Teachers' Certificate, choose a major from the professional courses in the Teachers College; such courses embrace 9 hours of work in advance of the technical requirements for the University Teachers' Certificate, and embrace 3 hours in Education, 3 hours in Educational Theory and Practice and 3 hours in Philosophy.

41. The Kindergarten—A study of the educational aims, subject matter, and methods of instruction of the present-day kindergarten, one lecture a week. One hour attendance. One hour credit. First semester.
Allen

42. The Kindergarten—41 continued. A study of the principles underlying the work of the primary schools and a comparison with that of the kindergarten methods, including a careful examination of the ways and means of correlating the work of the two. One hour credit. Second semester.
Allen

43. Principles and Practice in the Kindergarten—In this course, the candidate is assigned to assistant work in one of the Lincoln kindergartens, where, under the direction of an expert teacher, she becomes familiar with the nature of the developing child, and with the materials and methods adapted to his needs. The course includes readings and practical work, bearing upon kindergarten activities, including story telling, songs, the use of the Froebelian gifts, and allied materials, and upon the course

of study and the best kindergarten practice. 15 hours attendance. 3 hours credit. First semester.

44. **Principles and Practice in the Kindergarten**—43 continued. Second semester.

19. **Elementary Education**—Lectures and demonstrations upon the selection and utilization of the materials of the course of study and upon the principles of teaching in the elementary schools. Two to three hours attendance. Two to three hours credit. First semester. Fordyce

20. **Principles of Teaching in the Elementary School**—Continuation of course 19 together with the development and formulation of the principles of method as gained thru lectures, assigned readings and the study and discussion of the teaching process as observed in elementary schools. Two to three hours attendance. Two to three hours credit. Second semester. Fordyce

21. **Educational Theory and Practice in the Secondary School**—Lectures and assigned readings on the principles and technique of high-school instruction. The practical work embraces the observation, the written criticism and the discussion of the teaching of the various secondary subjects in the Teachers College High School. Two to three hours attendance. Two to three hours credit. First and second semesters. Fordyce

22. **Problems in Teaching**—A conference course for the discussion of problems arising in class room practice. Two hours attendance. Two hours credit. First and second semesters. Fordyce

23. **The Technique of Instruction**—A practical application of the principles of teaching as formulated in the preceding courses. Three to five hours attendance. Two to three hours credit. First and second semesters. Fordyce

24. **Rural Education**—The curriculum and supervision of rural schools. Reorganization of subject matter and methods of procedure, in the one-room and consolidated schools. Community centers, club work, and extension service. Two hours attendance. Two hours credit. Second semester. Fordyce

25. **The Laws of Learning**—A consideration of the relation between the learning process and the teaching process together with an application of the fundamental laws involved in learning. Two hours attendance. Two hours credit. First semester. Fordyce

26. **Supervision and Criticism of Instruction**—The principles of supervision and criticism; specific functions of supervising officers; the use of standardized tests in determining the efficiency of the school and the school system. Two hours attendance. Two hours credit. Second semester. Fordyce

GRADUATE COURSES

55. Educational Measurements—A consideration of the standards and scales for the measurement of educational processes together with the technique of applying these standards to educational products in determining efficiency in school achievements and in conducting school surveys. Two hours attendance. Two hours credit. First semester. Fordyce

56. Supervision of Instruction—This course offers to graduate students and to experienced teachers an opportunity to study the underlying principles of criticism and the general functions of supervising officers. Practical work in supervision is provided in the Teachers College High School. Two hours attendance. Two hours credit. Second semester. Fordyce

57. School Surveys—A study of the results of the principal city, county and state surveys recently made and the technique of conducting such surveys as a basis of field investigation. Each student will be assigned a school system for a critical study for a period extending thru the scholastic year, embracing the following: Course of study, achievements of pupils, quality of instruction, supervision, classification and progress, social and recreative activities, selection, training and tenure of teachers, buildings and equipments, records, reports and expenditures. The results of these studies shall be embodied in a detailed report. Prerequisite: Course 55. Four to six hours credit. Fordyce

IV. SCIENCES IN SECONDARY EDUCATION

Professor Brownell (*Head of Department*), Miss Nelson, Mr. Claar

So wide is the range of preparation demanded of science teachers for high schools that choice of college courses from the beginning of the sophomore year becomes necessary to get an all-round preparation for high school science positions, and to fulfill the requirements for teachers' certificates and for the A. B. or B. Sc. degree. In general, the choice of electives should be groups of somewhat closely related subjects. In the courses offered in this department it is advised that methods in General Science (34) be taken in the sophomore year, physics 15b in the junior year, and the other courses in the senior year.

Secondary Education 33 is a substitute for Education 23 where students do practice teaching in the Teachers College High School in any of the high school sciences, including Agriculture, Botany, General Science, and Physiology. The courses Physics 16, Chemistry 30, and Geography 11 are likewise practice courses.

Education 21 or 22 (or 19 or 20), together with either Physics 15b or Secondary Education 34 (General Science), must accompany (or preferably precede) the practice teaching.

To avoid conflicts in University and high school schedules it is desirable to have teaching assignments made a semester in advance.

COURSES FOR THOSE WHO PLAN TO TEACH HIGH SCHOOL SCIENCES

27. Teachers' Special Methods in Physics (Physics 15)—Discussion in detail of methods and procedure in teaching high school physics. Guiding principles in the selection and adaptation of subject-matter and laboratory exercises. Choice of apparatus and supplies. Equipment and efficient administration of the laboratory. Difficulties of physics teaching in high schools generally. Such understanding and organization in the teaching procedure as may reasonably assure successful teaching service from the outset. Prerequisite: Physics 1, 2, 3, 4, or 11, 12, 13, 14. Two hours attendance. Three hours laboratory. Two hours credit. First semester.

Brownell

28. Teachers' General Course in Physics (Physics 15b)—The selection and working of experiments to constitute a year's course in high schools—qualitative and quantitative for both laboratory and lecture table. Organization of the subject-matter to be taught in connection with such experiments. Parts of the subject presenting special teaching difficulties in high school work given careful exposition. The laboratory work a series of exercises fundamental in the teaching process. Three hours attendance. Three hours laboratory. Three hours credit. Second semester.

Brownell

29. Teachers' Special Methods in Chemistry (Chemistry 29)—Discussion in detail of the methods and procedure in teaching high school chemistry. Guiding principles in the selection and use of subject-matter and laboratory exercises. Supplies, apparatus and equipment for a laboratory. Efficient laboratory service. Educational aims, and relation of class-room instruction to laboratory work. Choice of text and reference books. Prerequisite: Chemistry 1, 2, 3. Two hours attendance. Three hours laboratory. Two hours credit. Second semester.

Brownell

29b. Teachers' General Course in Chemistry—A methods course in general chemistry based upon the experiments and text requirements of a year's course in high school chemistry. Corresponds to course 15b in Physics. Those parts of a high school chemistry course commonly found difficult in teaching given careful exposition. Two hours attendance. Three hours laboratory. Two hours credit. First semester.

Brownell

31. Teachers' Special Methods in Physical Geography (Geography 7)—Discussion of the subject-matter and methods of teaching physical geography in the high school. Relation of the various phases of geography, and its distribution by grades in courses of study. Selection of laboratory exercises. Collection and use of reference library books and illustrative material. Purpose and management of field excursions. Involves working a selected list of exercises suitable for use in high schools. The teachers' problems in preparing for these exercises are studied, and some time given to discussion of suitable demonstration experiments for

class use. Serves to prepare students for actual laboratory supervision. Prerequisite: Geography 1, 2, or equivalent. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Nelson

33. Teaching Course in Secondary School Sciences (Physics 16, Chemistry 30, Geography 11, Agriculture, Botany, General Science)—A semester of teaching of classes in high school sciences under closest supervision. Involves (a) class management and class instruction, making of lesson plans, review of examination papers, provision for desk experiments; (b) direction of laboratory work with sections of the science classes in the high school, care of the laboratory and its supplies, preparation in advance for experimental work, assistance to pupils at the tables, and review of laboratory papers handed in. Two hours conference. Four hours laboratory, or three hours teaching. One, two, or three hours credit. First and second semesters. Brownell, Nelson, Claar

33b. An Observation Course in Science Teaching—Open only to those taking one of the courses Physics 16, Chemistry 30, Geography 11, Secondary Education 33, or who expect to take one of such courses in the succeeding semester. One hour attendance. Two hours laboratory and preparation. One hour credit. First semester. Brownell

34. Teachers' Special Methods in General Science—Selection and organization of subject matter in General Science and its manner of presentation. Three hours attendance. Three hours laboratory. Three hours credit. First and second semesters. Brownell

For a minor in Agronomy, take 1, 2, 51, 52.

For a minor in Botany, take 1, 2, 19, 20.

Chemistry 1, 2, 3, 29, 30 give a minor. To this is to be added A and B (or D) where necessary.

For a minor in Domestic Science, take 1, 2, 3, 4, 6, 13, 14. (See certain courses as prerequisites.)

With Geography 1, 2, 4 (Meteorology), for a minor take 5, 6, 21 (or 9) and 7.

Physics 11, 12, 13, 14, (or 1, 2, 3, 4) give a minor. With this take 15 (or 15b) and 16.

For a minor in Zoology, take 3, 4 (or A), 20, 21 and 9 or 39.

Among the "Electives" it is desirable to include some of the following: Agricultural Education, 2 hours; Astronomy 5, 2 hours; Botany 33 and 34, 2 hours each; Education 35 and 37, 1 hour each; Farm Management 3, 3 hours; Geography 7, 2 hours; Geology 4, 2 hours; Hygiene and Physical Training 41 and 42, 2 hours each; Mechanical Engineering 1, 3 hours, and Mechanical Drawing, 1 hour; Meteorology 1, 2 hours; Physiology 1 and 2, 3 hours each; Zoology 31 and 32, 2 hours each.

V. SECONDARY EDUCATION

Professor Reed (*Head of Department*)

35. The Secondary School—A general course on the problems of the secondary school. Lectures, discussions, readings and reports. Open to juniors, seniors and graduates. One to two hours attendance. One or two hours credit. First and second semesters. Reed

36. The Secondary School—An advanced course on the organization and problems of the secondary school. Open to graduates. Two hours attendance. Two hours credit. First semester. Reed

39. **The Teaching of Reading**—A course for teachers in normal training high schools and in the grades of such schools. Two hours attendance. Two hours credit. Second semester. Reed

VI. SCHOOL ADMINISTRATION

Professor Taylor (*Head of Department*)

37. **Educational Organization and Administration**—This course is planned especially for superintendents and principals. It deals with the problems of organization and administration of public schools as viewed in the light of the prevailing systems in America. Among the topics considered are national and state control of education; the county, township, city and rural system; school building; playground; the school as a social center; inter-relation of school boards; superintendents, principals, and teachers; supervision of instruction—the teaching staff, improvement of teacher in service; administration of secondary and elementary schools; education for defective and subnormal children; discipline, government, courses of study, grading of promotion. Open to teachers in training. Number of hours credit depends upon work done. First semester.

Taylor

38. **Educational Organization and Administration**—37 continued. Second semester.

VII. AGRICULTURAL EDUCATION

Professor Bradford (*Head of Department*)

1. **Agricultural Pedagogy**—The educational value of industrial, and especially agricultural training; industrial training as applied to Nebraska and Nebraska problems; the part which the schools, rural and town, should take in education for rural life; courses of study and material for agricultural instruction in both rural and high schools; study of the preparation of the teachers of this work. Junior or senior year. Two hours attendance. Two hours credit. First semester. Bradford

VIII. METHODS OF INSTRUCTION IN ENGLISH

Professor Stuff (*In Charge*), Assistant Professor Clark

The following courses are, primarily, for those preparing to teach advanced, secondary and elementary English.

The University Teachers' Certificate—Because of the need of preparation in both Rhetoric and English Literature for certificated teachers, no majors or minors are offered or accepted in either subject singly. A combined major or a combined minor is provided for such as are preparing to teach English in secondary grades. The combined major embraces courses

1, 2, 11, 12 in Literature, and courses 3, 4, 7, 8 in Rhetoric. The combined minor includes course 1 in Literature, and course 7 in Rhetoric. But with each major or minor, courses 17, 18, in English Literature must be taken, as fundamental in either subject.

29. Methods of Instruction in Secondary English—A practical study of the synthetic, interpretative and technical phases of presenting this subject in secondary grades. Special attention given to outlining of courses, development of material, selection of books for school libraries and home readings. Experience in the preparation and presentation of topics will be gained in connection with the Teachers College High School Practice Course in Teaching English. Lectures, written reports, observation reports, criticism, library readings. Prerequisite: English Literature courses 1, 2, 11, 12; Rhetoric 3, 4. Two hours attendance. Two hours credit. First semester. Sherman, Stuff

29a. Methods of Instruction in Elementary English—Open to all preparing to teach English in the elementary grades. Prerequisite: English Literature 1, Rhetoric 1. Two hours attendance. Two hours credit. First semester. Stuff, Clark

30. Methods of Instruction in Secondary English—29 continued. Prerequisite: English Literature 1, 2, 11, 12, 17, 29. Two hours attendance. Two hours credit. Second semester. Stuff

30a. Methods of Instruction in Elementary English—29a continued. Prerequisite: English Literature 1, 2; Rhetoric 1, 2. Two hours attendance. Two hours credit. Second semester. Stuff, Clark

31. Teachers' Practice Course—Daily practice in teaching. Study of problems arising from actual conditions in the class-room. One teachers' conference each week. Prerequisite: English Literature 1, 2, 11, 12, 29, 30. Two hours credit. May be registered for twice. First and second semesters. Stuff, Clark

Courses Primarily for Graduates

32. Seminary—Advanced study of problems in teaching English in advanced, secondary and elementary grades. The field affords opportunity for individual research. The course includes investigation of existing conditions. Two hours attendance. Two hours credit. First semester. Stuff

32a. Seminary—Course 32 continued. Two hours attendance. Two hours credit. Second semester. Stuff

ELECTRICAL ENGINEERING

(See "Engineering Courses")

ELOCUTION

(See "Fine Arts Courses.")

ENGINEERING COURSES
AGRICULTURAL ENGINEERING
(See "Agricultural Courses")

APPLIED MECHANICS AND MACHINE DESIGN

Professor Chatburn (*Head of Department*), Professor Slaymaker, Associate Professor Rasmusen, Associate Professor Mickey

PRIMARILY FOR UNDERGRADUATES

1. **Mechanical Drawing**—One hour attendance and eight hours drawing a week in lettering, free-hand sketching, geometrical construction and projection; working drawings of machine parts. Three hours credit. First semester. Rasmusen

2. **Descriptive Geometry**—One hour attendance and six hours drawing a week, comprising, (1) text-book work on the solution of problems relating to geometrical magnitudes in space and their representations by drawings; (2) application of principles to working drawings. Prerequisite: Course 1 or experience in drawing. Two hours preparation. Three hours credit. Second semester. Rasmusen

3. **Mechanism**—Two class room periods and three hours drawing a week. Motions and forms of various mechanisms occurring in machines, manner of supporting and guiding the parts, independent of strength, and the design of gear teeth. Prerequisite: Courses 1 and 2. Four hours preparation. Three hours credit. First semester. Slaymaker

FOR UNDERGRADUATES AND GRADUATES

5. **Machine Design**—Elementary design of shafting and shaft couplings, pulleys and fly-wheel, power-screws, bearings and guides. Nine hours attendance and drawing. Prerequisite: Courses 1, 2, 3 and 14. Three hours credit. First semester. Slaymaker

6. **Machine Design**—Each student makes a number of complete designs, studies constructive details, makes calculations to determine strength of parts and estimates cost. Nine hours attendance and drawing. Prerequisite: Course 5. Three hours credit. Second semester. Slaymaker

8. **Steam Engine Design**—Working from an assumed indicator card, each student designs the principal dimensions of a high-speed automatic cut-off engine and the details of assigned parts. Reports upon each particular design. Six hours drawing a week. Prerequisite: Course 5. Two hours credit. Second semester. Slaymaker

13. **Stereotomy**—Descriptive geometry applied to problems in stone cutting and the necessary patterns, bevels and developments, and to the

designing of forms for the manufacture of artificial stones. A study of the shapes of stones in structure having plane, curved and warped surfaces, as used in architectural, engineering and military operations. Prerequisite: Courses 1 and 2. Six hours drawing and laboratory. Two hours credit. First and second semesters. Chatburn

14. **Theoretical and Applied Mechanics**—Principles of kinematics, statics and kinetics. Prerequisite: Mathematics 3. Three hours attendance. Six hours preparation. Three hours credit. First and second semesters. Chatburn, Mickey

15. **Mechanics of Materials**—Resistance of materials, including reinforced concrete; mechanics of beams, columns, shafts, etc.; laboratory experiments. Prerequisite: Course 14. Three hours attendance. Six hours laboratory. Six hours preparation. Five hours credit. First semester. Chatburn, Mickey

16. **Mechanics of Materials**—Course 15 abbreviated for students in the Agricultural, Electrical and Mechanical Engineering groups. Prerequisite: Course 14. Two hours attendance. Three hours laboratory. Four hours preparation. Three hours credit. First and second semesters. Chatburn, Mickey

17. **Cement and Concrete Testing**—Classification, composition, manufacture, inspection, sampling and specifications. Practical testing of cement, mortars, concretes, and other materials of construction. Prerequisite: Course 14. One hour attendance. Three hours laboratory. Two hours preparation. Two hours credit. First and second semesters. Mickey

18. **Materials of Construction**—Manufacture and general properties. Mechanical properties of materials as revealed by actual tests. Comparison of tests reported by other laboratories. Continuation of tests begun in course 17. One hour attendance. Three hours laboratory. Two hours preparation. Two hours credit. Second semester. Chatburn, Mickey

22. **Graphic Statics**—Elements of graphic statics applied to engineering construction. Prerequisite: Course 14. One hour attendance. Six hours drawing. Two hours preparation. Three hours credit. Second semester. Chatburn, Rasmusen

23. **Applied Descriptive Geometry**—Advanced course in mechanical drawing. Practical applications of the principles of descriptive geometry. Shades, shadows and perspective; tinting and stippling. Prerequisite: Courses 1 and 2. Three, six or nine hours drawing a week. One, two or three hours credit. First and second semesters. Rasmusen

25. **Road Materials Testing**—Examination, classification, and testing of road and pavement materials including rock, gravel, sand, clay, earth, paving brick, wood block, stone blocks, oils, asphalts, and tars. The testing of cement concrete, bituminous concrete, and sheet asphalt. The

building of a miniature road or pavement model illustrating the successive steps of construction, as well as the finished road or pavement. Prerequisite or parallel: Course 14, and C. E. 21. One hour attendance and two hours preparation. Three hours laboratory. Two hours credit. Additional credit may be earned by special arrangement. First and second semesters.

Mickey

26. **Road Materials Testing**—Course 25 continued. Six hours laboratory. Two hours credit. First and second semesters.

Mickey

27. **Specifications and Working Drawings**—The growth, cutting, seasoning, working, and finishing of woods; structural and decorative properties; detailing on a large scale various parts, such as walls, roofs, cornices, doors, windows, stairs, etc. Plans, elevations and details of small dwelling house; specifications and estimate of cost. Two hours lecture. Four hours preparation. Six hours drawing. Four hours credit. First semester.

Slaymaker

28. **Specifications and Working Drawings**—Foundations of stone, brick, concrete, and piles; kinds of masonry and external finish; brick-masonry, its materials and bonds; terra-cotta design, etc. Detailing of columns, beams, girders, and footings; joints and connections; use of architectural handbooks. Two hours lecture. Four hours preparation. Six hours drawing. Four hours credit. Second semester.

Slaymaker

29. **Engineering Freehand Drawing**—A course specially planned to meet the needs of students in Engineering and Physics. Elementary principles of perspective and object drawing. Two hours studio. One hour credit.

30. **Engineering Freehand Drawing**—29 continued. Two hours studio. One hour credit.

31. **Perspective**—Geometrical construction, principles of mechanical drawing, projection and isometric drawing. For students in the School of Fine Arts. One hour attendance. Eight hours drawing. Three hours credit. First semester.

Rasmusen

32. **Perspective**—31 continued. Elements of descriptive geometry, theory of perspective, shades and shadows. Prerequisite: Course 31. One hour attendance. Eight hours drawing. Three hours credit. Second semester.

Rasmusen

34. **Advanced Mechanics**—Open to students who have completed course 14 or Mathematics 4. Three hours attendance. Six hours preparation. Three hours credit. Second semester.

Chatburn

400. **Thesis**—Open to approved seniors. (See page 172.) Three to five hours credit.

CIVIL ENGINEERING

Professor Stout (*Head of Department*), Professor Chatburn, Associate Professor Bridgman, Associate Professor Grant, Assistant Professor Riddervold, Mr. Sjogren

FOR UNDERGRADUATES AND GRADUATES

2. **Surveying**—Abbreviated course for students in Mechanical Engineering. Prerequisite: Trigonometry. Two hours attendance with occasional substitution of three-hour field periods. Four hours preparation. Two hours credit. Second semester. Bridgman

5. **Surveying**—To be accompanied by course 5a. Prerequisite: Trigonometry. Two hours attendance. Four hours preparation. Two hours credit. First and second semesters. Bridgman

5a. **Surveying Field Work**—To accompany course 5. Six hours field. Two hours credit. First and second semesters. Bridgman

6. **Surveying**—5 continued. Second semester.

6a. **Surveying Field Work**—5a continued. Second semester.

7. **Railway Surveying**—Field and office methods employed in surveys for locating and constructing railroads. Prerequisite: Courses 5 and 5a. One hour attendance. Six hours field. Two hours preparation. Three hours credit. First semester. Bridgman

8. **Railway Construction**—Principles and practice. Roadbed, tunnels, minor structures. Contractors' organization and equipment. Cost data and analysis; estimates. Prerequisite: Course 8 or equivalent experience in actual work. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Bridgman

10. **Economic Theory of Railway Location**—Scientific balancing of cost, receipts, and operating expenses. Open to fourth-year students. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Bridgman

11. **Hydraulics**—Prerequisite: Calculus and Applied Mechanics 14. Two hours attendance. Four hours preparation. Two hours credit. Both semesters. Stout

12. **Irrigation Engineering**—Grade, cross-section and capacity of canals; surveys; designs of structures; source of water supply; analysis of hydrographic data; return and seepage waters; irrigation by pumping; organization; legal and economic principles. Prerequisite: Course 11. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Stout, Sjogren

13. **Water Supply of Cities**—Prerequisite: Course 11. Three hours attendance. Six hours preparation. Three hours credit. First semester. Grant

14. **Cleaning and Sewerage of Cities**—Prerequisite: Course 11. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Grant
15. **Design of Framed Structures**—Prerequisite: Course 16. Three hours attendance. Six hours preparation. Three hours credit. First semester. Riddervold
16. **Stress in Framed Structures**—Prerequisite: Applied Mechanics 15 or 16. Four hours attendance. Eight hours preparation. Four hours credit. Second semester. Riddervold
17. **Design in Reinforced Concrete**—Prerequisite: Applied Mechanics 15. Two hours attendance. Four hours preparation or drawing. Two hours credit. First semester. Riddervold
18. **Structural Design**—Adapted to the needs of students in Agricultural, Mechanical and Electrical Engineering. Prerequisite: Applied Mechanics 16. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Riddervold
20. **Advanced Theory of Structures**—Arches, cantilevers, continuous girders, statically indeterminate stresses. Prerequisite: Course 15. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Riddervold
21. **Roads, Streets and Pavements**—Lectures, assigned readings, and reports. Two hours attendance. Four hours preparation. Two hours credit. First semester. Chatburn
22. **Masonry Construction**—Prerequisite: Applied Mechanics 14. Four hours attendance. Eight hours preparation. Four hours credit. Second semester. Riddervold
24. **Hydraulic Engineering**—Hydraulic development for purposes of drainage, power, and transportation. Flood protection. Collection and analysis of hydrographic data and the principles involved in the design of reservoirs, canals, levees, and structures. Prerequisite: Course 11. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Stout
25. **Engineering Economics**—Conducted on the seminar plan. Two hours attendance. Four hours preparation. Two hours credit. First semester. Stout, Bridgman, Grant
26. **Engineering Economics**—25 continued. Second semester.
400. **Thesis**—Open to approved seniors. (See page 172.) Three to five hours credit.

ELECTRICAL ENGINEERING

Professor Ferguson (*Head of Department*), Associate Professor Hollister,
Mr. Holtz

PRIMARILY FOR UNDERGRADUATES

1. **Dynamos and Circuits**—Elements of electrical engineering. Theory and practice of direct currents, circuits and apparatus. Conducted with some laboratory work in the latter half of the semester. Prerequisite: Math. 4, Phys. 3. Four hours attendance. Ten hours preparation. Five hours credit. First semester. Ferguson

2. **Dynamos and Circuits**—Continuation of course 1, including principles of design and practice therein and elementary work with alternating currents. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Ferguson

3. **Electrical Power**—Elementary principles, industrial applications. For students in the Architectural, Agricultural, Civil and Mechanical Engineering groups. Prerequisite: Math. 4, Phys. 3. Two hours attendance. Four hours preparation. Two hours credit. First semester. Hollister

4. **Electrical Power**—Continuation of course 3, including principles of alternating currents. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Hollister

5. **Alternating Currents**—Theory and practice of alternating-current circuits and apparatus. Prerequisite: Courses 1 and 2. Five hours attendance. Ten hours preparation. Five hours credit. First semester. Ferguson

6. **Alternating Currents**—Continuation of course 5 including power systems, etc. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Hollister

8. **Electrical Laboratory**—Practice in operating and testing direct-current generators, motors and subsidiary apparatus. Prerequisite: Course 1. Three hours laboratory. Three hours preparation. Two hours credit. Second semester. Hollister, Holtz

8a. **Electrical Laboratory**—Similar to course 8 but adapted to the needs of the agricultural, architectural, civil and mechanical engineers. Prerequisite: Course 3. Three hours laboratory. Three hours preparation. Two hours credit. First and second semesters. Hollister, Holtz

9. **Electrical Laboratory**—Continuation of course 8. Three hours laboratory. Three hours preparation. Two hours credit. First semester. Hollister, Holtz

9a. **Electrical Laboratory**—Elective offered to accompany course 9. Telephone practice, mercury-arc rectifier, illumination, etc. Three hours laboratory. One hour credit. First semester. Hollister, Holtz

10. **Electrical Laboratory**—Continuation of course 9. Advanced laboratory practice including use of oscillograph. Three hours laboratory. Three hours preparation. Two hours credit. Second semester.

Hollister, Holtz

10a. **Electrical Laboratory**—Elective offered to accompany course 10. Storage batteries, high potentials, etc. Three hours laboratory. One hour credit. Second semester.

Hollister, Holtz

FOR GRADUATES AND UNDERGRADUATES

15. **Technical Reports**—Preparation and presentation of reports upon technical subjects. Prerequisite: Courses 1, 2 and 8 and registration in 5. One hour attendance. Two hours preparation. One hour credit. First semester.

Hollister

16. **Technical Reports**—Continuation of course 15. Elective. One hour attendance. Two hours preparation. One hour credit. Second semester.

Hollister

17. **Electric Lighting and Illumination**—Wiring codes, lighting apparatus and circuits, illumination and illuminating engineering. Prerequisite: For Electrical Engineers—course 1 and Phys. 4; for Architectural Engineers—Phys. 4 and E. E. 3. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Holtz

18. **Electro-Chemical Engineering**—Elements of electro-chemistry, with special emphasis placed upon some of the commercially most important processes as metal winning, furnaces, storage batteries, etc. Prerequisite: Courses 1 and 8. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Ferguson

19. **Telephone Engineering**—Line construction, instruments, switchboards, systems, operation, etc. Prerequisite: Courses 1 and 8 and registration in 5. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Hollister

20. **Electric Railways**—Preliminary estimates and economics, construction, equipment and operation. Prerequisite: Courses 1 and 8. Three hours attendance. Six hours preparation. Three hours credit. Second semester.

Ferguson

21. **Electric Power Systems**—Generation, transmission, distribution and utilization of power. Prerequisite: Courses 2 and 8 and registration in course 5. Three hours attendance. Six hours preparation. Three hours credit. First semester.

Holtz

22. **Electrical Design**—Alternate-current apparatus, transformers, synchronous generators. Prerequisite: Courses 5 and 9. Three hours lecture. Six hours calculation and drafting. Three hours credit. Second semester.

Ferguson

31. Engineering Problems—Engineering problems demanding a knowledge of algebra, trigonometry, calculus, vectors, mechanics, electrical phenomena, alternating-current circuits, etc. Prerequisite: Math. 4, Phys. 5 and registration in E. E. 5 and 9. Two hours attendance. Four hours preparation. Two hours credit. First semester. Ferguson

202. Elements of Electrical Engineering—Lecture course designed as a general introduction to the subject. It is intended to give both breadth and perspective. Required of Electrical Engineering sophomores. One hour attendance. Two hours preparation. One hour credit. Second semester. Ferguson

400. Thesis—Open to approved seniors. (See page 172.) Three to five hours credit.

PRIMARILY FOR GRADUATES

51. Alternating-Currents—Transients, electric waves, etc. First or second semester. Three hours credit. Ferguson

61. Electrical Design—Advanced electrical apparatus design. Three hours credit. First or second semester. Ferguson

91. Electrical Laboratory—Advanced investigations. Hours and credit to be arranged. First semester. Ferguson, Hollister

92. Electrical Laboratory—Continuation of course 91. Hours and credit to be arranged. Second semester. Ferguson, Hollister

MECHANICAL ENGINEERING

Professor Hoffman (*Head of Department*), Associate Professor Dean, Associate Professor Elliott, Assistant Professor Bunting,
Mr. Ichler, Mr. Smith

PRIMARILY FOR UNDERGRADUATES

1. Wood Work—Bench work in wood and wood-turning; lectures on wood-working tools and machinery, and the properties of timber. One hour attendance. Eight hours laboratory. Three hours credit. First semester. Bunting

2. Pattern-Making and Foundry Work—Construction of patterns, core-boxes, green sand and dry sand molds, and iron, brass and aluminum castings; lectures on pattern-making, foundry work and the metallurgy of cast iron. Prerequisite: Course 1. One hour attendance. Eight hours laboratory. Three hours credit. Second semester. Bunting, Smith

3. Iron and Steel Forging—Practice in forging, welding, tempering and tool-making; lectures on forging tools and machinery, and the physical properties of iron and steel. One hour attendance. Eight hours laboratory. Three hours credit. First semester. Smith

3a. **Iron and Steel Forging**—Practice in forging, welding and tempering; lectures on forging tools and machinery, and the physical properties of iron and steel. One hour attendance. Five hours laboratory. Two hours credit. First semester. Smith

4. **Machine Work in Metals**—Exercises in the use of the engine lathe, planer, shaper, milling machine and the art of cutting metals; lectures on machine tools. Prerequisite: Course 3. (Except for Electrical Engineers.) One hour attendance. Five hours laboratory. Two hours credit. First and second semesters. Ichler

5. **Machine Construction**—4 continued. Prerequisite: Course 4. One hour attendance. Eight hours laboratory. Three hours credit. First and second semesters. Ichler

400. **Thesis**—Open to approved seniors. (See page 172.) Three to five hours credit.

FOR GRADUATES AND UNDERGRADUATES

8. **Economics of Shop Production**—Discussions relating to manufacturing processes, routing of the work thru the shop, effect of shop design on shop efficiency, time systems and cost accounting. Prerequisite: Courses 1, 2, 3, 4 and 5. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Ichler

10. **Steam Engineering**—Elementary study of thermodynamics. Theory of heat engines. Forms and mechanism of steam machinery. Economy of operation and adaptibility to a given service. Differential and integral calculus and applied mechanics required. Four hours attendance. Eight hours preparation. Four hours credit. First and second semesters. Hoffman, Elliott

11. **Steam Boilers**—Design and construction of steam boilers, furnaces, settings; their safety and economy of operation. Prerequisite: Course 10. Two hours attendance, occasional drawing. Four hours preparation. Two hours credit. First semester. Hoffman

13. **Thermodynamic Applications**—Advanced study of the thermodynamics of gases and vapors and the applications of the science to heat engines, air compressors, injectors, refrigerating machinery, steam turbines, etc. Prerequisite: Course 10. Three hours attendance. Six hours preparation. Three hours credit. First semester. Elliott

14. **Building Sanitation**—Principles of the design of plumbing systems for air, gas and water. Sanitary necessity of sewerage. Discussion of sewage disposal and drainage systems. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Hoffman

15. **Fuel Testing Laboratory**—Proximate analyses of coal and analyses of flue gases; determination of heating value of coal, gas and fuel oils; the testing of lubricants and friction. Six hours laboratory. Two hours credit. Second semester. Elliott

16. **Mechanical Engineering Laboratory**—Calibration of instruments, indicator practice, valve setting, efficiency tests of engines and boilers, injectors, pumps, gas engines. The measurement of power. Course 10 prerequisite or taken at the same time. One hour attendance. Eight hours laboratory. Three hours credit. First and second semesters.

Dean

17. **Mechanical Engineering Laboratory**—Complete tests of simple and compound Corliss engines, air compressors, gas engines, steam pumps, and refrigerating machinery. Prerequisite: Course 16. One hour attendance. Eight hours laboratory. Three hours credit. First semester.

Dean

18. **Experimental Hydraulics**—Experiments on the flow of water thru orifices and nozzles and over weirs; the testing of hydraulic motors and pumps. Prerequisite: Civil Engineering 11. Six hours laboratory. Two hours credit. Second semester.

Dean

19. **Heating and Ventilation**—Theory and design of the various systems for heating and ventilating buildings, including hot air, hot water, steam and the plenum and vacuum systems, and central station heating. Prerequisite: Course 10. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Hoffman

20. **Steam Power Plant Design**—The design of a complete steam power plant and the formulation of specifications therefor. Prerequisite: Courses 10 and 11. Occasional lectures. Six hours drawing. Two hours credit. Second semester.

Hoffman

22. **Gas Power Engineering**—The theory and design of gas, gasoline and oil engines; gas producer practice; the combustion of gaseous fuels. Prerequisite: Course 10. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Elliott

24. **Power Transmission**—Transmission of power by shafting, belts, ropes, water, compressed air, gas. Course 10 prerequisite or taken at the same time. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Hoffman

31. **Hydraulic Motors and Pumping Machinery**—Theory of water-wheels, turbines, pressure engines and pumps. Analyses are made of hydraulic power plant arrangement and operation. Prerequisite: Civil Engineering 11. Three hours attendance. Six hours preparation. Three hours credit. First semester.

Hoffman

PRIMARILY FOR GRADUATES

27. **Advanced Laboratory Investigations**—Special investigations of problems relating to steam engines and boilers, gas engines, etc. Nine or twelve hours laboratory. Three or four hours credit. First semester.

Dean

28. **Advanced Laboratory Investigations**—27 continued. Nine or twelve hours laboratory. Three or four hours credit. Second semester.

Dean

30. **Advanced Investigations in Fuel Testing**—15 continued. Six or nine hours laboratory. Two or three hours credit. First or second semester.

Elliott

32. **Advanced Investigations in Heating, Ventilating and Air Conditioning**—19 continued. Six or nine hours laboratory. Two or three hours credit. First or second semester.

Hoffman

34. **Investigations in Refrigeration**—A study in the theory, design and operation of ice and refrigerating machinery. Prerequisite: Courses 13 and 19. Occasional recitations, private investigations and consultations. Two or three hours credit. Second semester.

Hoffman, Dean

ENGLISH HISTORY

Professor Jones (*Head of Department*)

English history occupies a position intermediate between general European history and American history, leading from the one and into the other. It affords perhaps the best introduction to the general history of the modern world, which is touched at more points by the growth of the British Empire and the extension of the English language and institution, than by any other historical subject. Students of English literature, of law, economics and sociology will find this field of special importance.

The University Teachers Certificate—In English history the minor requirement for a University Teachers' Certificate (12 to 16 hours at the student's option) will be satisfied by courses 1 and 2, either 11 or 12, and such additional courses as may be necessary to complete the number of hours. For the major requirement in history see paragraph 3 under American history.

The Degree of Master of Arts—The requirements for the degree of master of arts with English history as a major are: (1) An accurate and comprehensive knowledge of the outlines of English history, and a more detailed knowledge of some period; an acquaintance with the literature of the special period; a general acquaintance with modern European history; and (2) a thesis based upon an exhaustive study of the source and secondary material in some narrow field of English history.

The thesis will be written in seminar 11 or 12, but the candidate is expected to show greater independence and initiative than the other members of the seminar, and to devote to the subject a large amount of time which cannot be determined in advance. For this reason, it is not always possible for even a well prepared student to meet all the requirements in one year; but it should be possible to satisfy the requirement of residence.

For those desiring a minor in English history, courses will be arranged in consultation with the candidate's major adviser.

1. **English History to 1603**—A general introductory course. Three hours attendance. Three hours credit. First semester. Jones
2. **English History from 1603 to the Present Time**—A continuation of course 1, expanded to include the history of the British Empire. May be taken without course 1. Three hours attendance. Three hours credit. Second semester. Jones
3. **English Social and Industrial History to 1603**—Must be preceded by course 1 or English history in the high school. Two hours attendance. Two hours credit. First semester. Jones
4. **English Social and Industrial History after 1603**—Must be preceded by course 2 or English history in the high school. Two hours attendance. Two hours credit. Second semester. Jones
5. **English Constitutional History to 1603**—Must be accompanied or preceded by course 1. Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.* Jones]
6. **English Constitutional History after 1603**—Must be preceded by course 5. Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.* Jones]
7. **England During the Nineteenth Century**—Open to juniors and seniors; also to sophomores who have had course 2. Two hours attendance. Two hours credit. First semester. Jones
8. **Recent Diplomatic History**—A study of events leading up to the present war, based so far as possible upon official correspondence and documents. Open to juniors and seniors; also to sophomores who have had course 2. Two hours attendance. Two hours credit. Second semester. Jones
11. **Seminar**—The Anglo-Portuguese Treaty of 1654, based upon a nearly complete transcript of the manuscript material in English and Portuguese archives, supplemented by all the existing printed material. Open to graduate and advanced students upon consent of the instructor. Two hours attendance. Two hours credit. First semester. Jones
12. **Seminar**—The Anglo-Portuguese Treaty of 1661, based upon material as in course 11. Open to graduate and advanced students upon consent of the instructor. Two hours attendance. Two hours credit. Second semester. Jones

ENGLISH LANGUAGE AND LITERATURE

Professor Sherman (*Head of Department*), Professor Stuff, Professor Wallace, Professor Pound, Associate Professor Scott, Mr Beck.

GENERAL INFORMATION

Courses 1 and 2, dealing with elements and first principles of criticism, are introductory to all the other work of the department.

The University Teachers' Certificate—Because of the need of preparation in both Rhetoric and English Literature for certificated teachers, no majors or minors are offered or accepted in either subject singly. A combined major or a combined minor is provided for such as are preparing to teach English in secondary grades. The combined major embraces courses 1, 2, 11, 12 in Literature, and courses 3, 4, 7, 8 in Rhetoric. The combined minor includes course 1 in Literature, and course 7 in Rhetoric. But with each major or minor, courses 17, 18 in English Literature must be taken, as fundamental in either subject.

Candidates for the master's degree, with the Graduate Teachers' Diploma, will complete in addition to the foregoing, for a combined major, courses 31, 32, and four hours of especially assigned work in Rhetoric or English Literature.

Graduate Work

Students intending candidacy for the degree of Master of Arts must have completed the two years of preparation represented by courses 1, 2, 5, 6, 11, 12. Work will be arranged for each from courses beginning with course 15 below, but major programs must include courses 17, 18 and in general 35, 36.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **English Literature**—An introductory course in criticism. Designed to develop a sense of values, and an appreciation of the best literature. Literary elements and principles, with assisted study of modern poetry and prose. First and second semesters. Three hours attendance. Three hours credit. Stuff, Scott

2. **English Literature**—Studies introductory to criticism. Literary elements and principles, continued; short story, dramatic monologue, and poetry and prose. First and second semesters. Three hours attendance. Three hours credit. Stuff, Scott

3. **Shakespeare**—Analysis of the literary art of this author. *Macbeth* studied in daily written exercises and library readings, with independent investigation of special topics on the art and literary history of the play. Three hours attendance. Three hours credit. First semester. Scott

4. **Shakespeare**—3 continued. Written studies in *Hamlet* and *Othello*. Three hours attendance. Three hours credit. Second semester.

5. **The History of English Literature**—A survey of the development of English Literature; the rise of literary forms, periods of literary history, and various formative and other influences. Special class study of Chaucer, Spenser, Milton, and others. Three hours attendance. Three hours credit. First semester. Pound

6. **The History of English Literature**—5 continued. Second semester.

7. Comparative Literature in English—Intensive study of Job and other Hebrew literature. Comparative studies on kindred themes, from Greek, Celtic, English, Spanish and German literature. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Stuff

8. Comparative Literature in English—Literary art in Matthew, Mark, Luke, and John. Comparative studies from Swedish, French, Italian, English, and American literature. Prerequisite: Course 1. Two hours attendance. Two hours credit. Second semester. Stuff

9. Nineteenth Century English Poets—English poets from 1798 to 1900. The romantic movement of the early nineteenth century. Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Landor. The Victorian period. Tennyson, the Brownings, Clough, Arnold, Rossetti, Morris, Swinburne. Preliminary completion of courses 5 and 6, tho desirable, is not essential. Two hours credit. First semester. Pound

10. Nineteenth Century English Poets—9 continued. Second semester.

11. English Literature—Advanced studies in the development of modern prose, and of visual writing. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Sherman

12. English Literature—11 continued. Daily written exercises of appreciation and criticism, in selected specimens of best literature. Two hours attendance. Two hours credit. Second semester. Sherman

14. American Literature—Its relation to the national life and thought. Lectures, collateral readings, and reports. Two hours credit. Second semester. Pound

COURSES FOR UNDERGRADUATES AND GRADUATES

15. Current Comparative Literature—Literary art of today. Comparative view of means, modes, and influences. Study of chief authors in Scandinavian, German, Russian, French, Italian, as well as English and American writers. Prerequisite: Courses 1 and 2. Class limited to twenty. Admission by arrangement with instructor. Acquaintance with French and German or Italian is desirable, but not essential. Two hours attendance. Three hours credit. First semester. Scott

15a. Library Course in 16th and 17th Century Authors—Lectures, reports, and criticisms. Two hours attendance. Three hours credit. First semester. Sherman

16. Current Comparative Literature—15 continued. Two hours attendance. Three hours credit. Second semester.

16a. Library Course in 18th Century Authors—Lectures, reports, and criticisms. Two hours attendance. Three hours credit. Second semester. Sherman

17. **Essentials of Old English: Outline of Old English Grammar**—Reading at earliest moment of prose and poetic specimens. *Beowulf*, thru 500 lines. Introductory to the history of the English language and the history of Old English literature. Four hours attendance. Four hours credit. First semester. Pound

18. **Old and Middle English and History of the English Language**—17 continued. *Beowulf* continued. The development of the language traced from Old to Modern English, the history of inflections, sound changes, spelling, etc. Outline of Middle English grammar. Reading of selected Middle English texts before Chaucer. Four hours credit. Second semester. Pound

19. **The Novel**—Its relation to the expression of life. Study of modes and art principles in the interpretation of life. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Stuff

20. **The Novel**—19 continued. Two hours attendance. Two hours credit. Second semester.

23. **Browning**—Written studies of *Luria*, *Return of the Druses*, *Pippa Passes*. Two hours attendance. Two hours credit. First semester. Sherman

24. **Browning**—23 continued. *The Ring and the Book*, *Sordello*. Second semester.

25. **Shakespeare**—Advanced studies in dramatic art, as represented in *Cymbeline*, *The Winter's Tale*, *Coriolanus*. Two hours attendance. Two hours credit. First semester. Sherman

26. **Shakespeare**—25 continued. *Romeo and Juliet*, *Twelfth Night*, *King Lear*. Second semester.

27. **English Ballads**—Introduction to the study of popular poetry. Reading of selected ballads of England and Scotland, with some references to ballads in other literatures. The ballad revival in the eighteenth century. Modern imitative ballads. One hour attendance. One hour credit. First semester. Pound

28. **English Lyric Poetry**—Nature of the lyric. Survey of leading lyric kinds and types; ballads, sonnets, odes, elegies, etc. History of the English lyric. Two hours attendance. Two hours credit. First semester. Pound

29. **Methods of Instruction in Secondary English**—A practical study of the synthetic, interpretative and technical phases of presenting this subject in secondary grades. Special attention given to outlining of courses, development of material, selection of books for school libraries and home readings. Experience in the preparation and presentation of topics will be gained in connection with the Teachers College High School Practice

Course in Teaching English. Lectures, written reports, observation reports, criticism, library readings. Prerequisite: English Literature courses 1, 2, 11, 12; Rhetoric 3, 4. Two hours attendance. Two hours credit. First semester. Sherman, Stuff

29a. **Methods of Instruction in Elementary English**—Open to all preparing to teach English in the elementary grades. Prerequisite: English Literature 1, Rhetoric 1. Two hours attendance. Two hours credit. First semester. Stuff, Clark

30. **Methods of Instruction in Secondary English**—29 continued. Prerequisite: English Literature 1, 2, 11, 12, 17, 29. Two hours attendance. Two hours credit. Second semester. Stuff

30a. **Methods of Instruction in Elementary English**—29a continued. Prerequisite: English Literature 1, 2; Rhetoric 1, 2. Two hours attendance. Two hours credit. Second semester. Stuff, Clark

31. **Teachers' Practice Course**—Daily practice in teaching. Study of problems arising from actual conditions in the classroom. One teachers' conference each week. Prerequisite: English Literature 1, 2, 11, 12, 29, 30. Two hours credit. May be registered for twice. First and second semesters. Stuff

COURSES PRIMARILY FOR GRADUATES

32. **Seminary**—Advanced study of problems in teaching English in advanced, secondary and elementary grades. The field affords opportunity for individual research. The course includes investigation of existing conditions. Two hours attendance. Two hours credit. First semester. Stuff

32a. **Seminary**—Course 32 continued. Two hours attendance. Two hours credit. Second semester. Stuff

33. **Principles of Dramatization**—Construction in the drama of Shakespeare, Moliere, Schiller, Goethe, and Victor Hugo. Two hours attendance. Two hours credit. First semester. Sherman

34. **Principles of Dramatization**—33 continued. Construction in the drama of Corneille, Calderon, Goldoni, Maeterlinck, Ibsen, and in the classic drama. Second semester. Sherman

35. **Advanced Old English**—Open to students who have a working knowledge of the language. The special mode of study varies according to the needs or equipment of the class. Serves often as an introduction to comparative Teutonic philology. Outline of general phonetics included if necessary. Preceding or accompanying study of Gothic and Old High German recommended. Two hours attendance. Two hours credit. First semester. Pound

36. **Advanced Old English**—35 continued. Second semester.

37. **History of Old English Literature**—Reading of texts in translation. Study of textual and manuscript criticism, disputed readings, dates, problems of authorship and interpolation, historical and mythological elements, history of opinion, etc. One hour attendance. One hour credit. First semester. Pound

38. **History of Old English Literature**—37 continued. Second semester.

39. **Play Construction**—Intended for specially qualified students who wish to work along the lines of practical play writing. An intensive study of the fundamental principles of the acting drama and an application of these principles in original construction and criticism. Primarily, a writing and practice course, including the guidance of the student not only thru the making of a producible play but its actual stage presentation. Admission by consent of the instructor. Two hours attendance. Two hours credit. First semester. Scott

40. **Play Construction**—39 continued. Two hours attendance. Two hours credit.

41. **Seminary in English Literary Prose**—Study of development and features. Two hours attendance. Two hours credit. First semester. Sherman

42. **Chaucer**—Literary and linguistic studies. Informal lectures on contemporary fourteenth century life and literature. Two hours attendance. Two hours credit. Second semester. Pound

43. **Seminary in Criticism**—Two hours attendance. Two hours credit. First semester. Sherman

44. **Seminary in Present Literary Forms and Tendencies**—Two hours attendance. Two hours credit. Second semester. Sherman

45. **Celtic Sentiment and Thought in Its Relation to English Literature**—A survey of early Irish and Welsh literature with special study of the Arthurian sources. Admission on consent of the instructor. Two hours attendance. Two hours credit. First semester. Stuff

46. **Celtic Sentiment and Thought in Its Relation to English Literature**—45 continued. Celtic influence upon the English romantic movement. Two hours attendance. Two hours credit. Second semester. Stuff

47. **Contemporary Drama**—Studies in the construction and criticism of the modern play. Admission on approval of instructor. Two to three hours credit. First semester. Scott

48. **Contemporary Drama**—47 continued. Second semester.

ENTOMOLOGY

(See Agricultural Courses")

EUROPEAN HISTORY

Professor Fling (*Head of Department*), Associate Professor Pfeiffer,
Assistant Professor Needham

GENERAL INFORMATION

The undergraduate courses in European History are intended for the following classes of students:

1. Those who are preparing to teach history in the high school or in the college. Certificates are issued stating that the graduate is fitted to teach "history" in the high school; no special certificates for American, English or European history are issued. To secure the history teachers certificate the student must take twelve hours of European history, six of English, six of American and then eight hours more in one of the departments. In European history, courses 1 and 2 should be taken the first year; other courses can be arranged for thru consultation with the head of the department. The languages needed in the advanced work, especially French, should be taken up in the first and second years. Students are advised to consult with the head of the department (during registration week) concerning their work.

2. Those who are specializing in language and literature. Courses 7 and 8 are intended for students of German literature, and may be taken by those who have not had courses 1 and 2.

3. Those who are preparing for law or debate will find especially valuable the training in the use of evidence given in courses 1 and 2. The same courses are helpful to students of economics and sociology.

GRADUATE WORK

The department offers excellent opportunities for graduate study on the French revolution and the Napoleonic era. The collection of sources and secondary works upon the early revolution is the best in the west and one of the best in the country. On the Napoleonic era the department has recently acquired the valuable Oncken collection of manuscripts, containing the correspondence of the most distinguished English diplomats during the years 1812-1815 inclusive. Each year special courses and seminars are offered on these two periods. In the seminars, the student is introduced in a critical way to the best sources and investigations are begun that may lay the foundation for research work abroad. To take advantage of these courses, the student should have had general courses on the French revolution and the Napoleonic era, some undergraduate training in the use of sources, and should have acquired a reading knowledge of French. With such a preparation, it is possible to take the master's degree in one year. When the student is not properly prepared, the training may be secured in the undergraduate course offered by the department. This preparatory work may be done in one year, if the student has already

acquired in undergraduate courses a fair working knowledge of European history.

Master of Arts—Second Minor: At least eight hours of graduate work; two years of undergraduate work are required before graduate work can be entered upon. First Minor: Same as 1, 2, 3, and 4 for major. Major: (1) an acquaintance with the history of Europe from the beginning of Greek history to 1914; (2) a knowledge of the literature of European history, consisting of the best known sources in English, French and German, and the most important works of secondary writers; (3) an acquaintance with bibliographical aids and historical atlases; (4) a theoretical knowledge of the methods of historical research; (5) a thesis based on the sources.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **European History from the Germanic Migrations to 1871**—Required for the University Teachers' Certificate in History. Three hours attendance. Three hours credit. First semester.

Fling, Pfeiffer, Needham

2. **European History**—1 continued. Second semester.

7. **German History to 1618**—For students who are preparing to teach German and have had two years of German. Three hours attendance. Three hours credit. First semester.

Needham

8. **German History after 1618**—7 continued. Second semester.

45. **Teachers' Course in Greek History**—Must be preceded by 1 and 2. Two hours attendance. Two hours credit. First semester. Fling

46. **Teachers' Course in Greek History**—45 continued. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

[17. **The French Revolution**—Open to students who have had one year's work in the department. Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.*

Fling]

[18. **The Napoleonic Era**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.*

Fling]

19. **Europe in the Nineteenth Century**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. First semester.

Fling

20. **Europe in the Nineteenth Century**—19 continued. Second semester.

23. **Seminary on the French Revolution**—One hour attendance. One hour credit. First semester.

Fling

24. **Seminary on the French Revolution**—23 continued. Second semester.

59. **Seminary on Napoleonic Period**—One hour attendance. One hour credit. First semester. Needham
60. **Seminary on Napoleonic Period**—59 continued. Second semester.
69. **Seminary on the Legislative Assembly**—One hour attendance. One hour credit. First semester. Pfeiffer
70. **Seminary on the Legislative Assembly**—69 continued. Second semester.

COURSES PRIMARILY FOR GRADUATES

25. **Historical Methods**—Detailed lectures on the problems of historical research and construction, accompanied by readings in the best English, French, and German monographs and by practical exercises. One hour attendance. One hour credit. First semester. Fling
26. **Historical Methods**—25 continued. Second semester.
49. **Seminary on French Revolution**—One hour attendance. One hour credit. First semester. Fling
50. **Seminary on French Revolution**—49 continued. Second semester.
57. **The Convention**—One hour attendance. One hour credit. First semester. Fling
58. **The Convention**—One hour attendance. One hour credit. Second semester. Fling
61. **The Italian Renaissance**—Two hours attendance. Two hours credit. First semester. Pfeiffer
62. **The Unification of Italy**—Two hours attendance. Two hours credit. Second semester. Pfeiffer
63. **The German Reformation**—Two hours attendance. Two hours credit. First semester. Needham
64. **The Unification of Germany**—Two hours attendance. Two hours credit. Second semester. Needham
- [65. **Medici and the Renaissance at Florence**—Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.* Pfeiffer]
- [66. **Cavour and the Struggle for Italian Unity**—Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.* Pfeiffer]
- [67. **The Thirty Years War**—Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.* Needham]
- [68. **Frederick the Great**—Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.* Needham]

FARM MANAGEMENT

(See "Agricultural Courses")

FINE ARTS COURSES**DRAWING AND PAINTING**

Associate Professor Grant, Instructor Mundy, Instructor Brock, Instructor Wittie and Associate Professor Rasmussen of the department of Applied Mechanics

Only students working toward the degree of Bachelor of Fine Arts are permitted to register for more than three hours per semester. As in all other departments of the University, three hours of work per week is considered the basis for one credit hour, but no credit is granted without the completion of a minimum of acceptable work. (A studio fee of two dollars (\$2) is charged in each course.)

1. **Elementary Drawing**—Drawing from the antique in charcoal. Application of the principles of perspective in free hand drawing. One to five hours credit. One hour credit for each three-hour period of attendance. First semester. Grant

2. **Elementary Drawing**—Course 1 continued. Second semester.

3. **Advanced Drawing and Color Work**—Drawing from costume model. Special work in the drawing of posters and illustrations. Still-life in oil and water color. Pen and ink with reference to the processes of reproduction. One to five hours credit. One hour credit for each three-hour period of attendance. First semester. Grant

4. **Advanced Drawing and Color Work**—Course 3 continued. Second semester.

5. **Life**—Drawing and painting from costume model in charcoal, oil and water color. Advanced work in illustration. One to five hours credit. One hour credit for each three-hour period of attendance. First semester. Grant

6. **Life**—Course 5 continued. Second semester.

7. **Theory and Practice of Design**—Study of the fundamental principles of design with practical application to china painting, stenciling, decorative leather, metal work, etc. Students work out original designs in space and line composition followed by the study of color harmony. Decorative lettering is included in this course. Three hours attendance for one hour credit. One or two hours credit. First semester. Mundy

8. **Theory and Practice of Design**—Course 7 continued. Second semester.

NOTE: Class in the practical application of design in basketry, simple sheet metal work and decorative leather work will be formed on demand.

9. **Public School Drawing**—A course intended for public school teachers with special reference to work required in the city schools. It is designed to give increased proficiency in drawing and to establish a foundation for classroom criticism. Assigned exercises are criticised before the class from the standpoint of design, composition and draughtsmanship. Three hours attendance. One hour credit. Wittie

10. **Public School Drawing**—Course 9 continued. Second semester.

11. **China Painting**—The application of original and conventional design on china. Firing of china. First semester. Three hours attendance for one hour credit if taken with course 7. One or two hours credit. Brock

12. **China Painting**—Course 11 continued. Second semester. Brock

15. **Art and Design**—A special course for students of Home Economics. Two hours studio. Two hours credit. Mundy

16. **Art and Design**—15 continued. One hour lecture. One hour credit. No fee. Grant

17. **Life**—Course 7 continued. Three hours attendance for one hour credit. One to five hours credit. First semester. Grant

18. **Life**—Course 17 continued. Second semester.

20. **Art and Design**—Course 15 continued. Two hours studio. Two hours credit. Mundy

21. **Scientific Freehand Drawing**—A course specially planned to assist students in botany, zoology and geology. Three hours studio. One hour credit. Mundy

22. **Scientific Freehand Drawing**—Course 21 continued. Three hours studio. One hour credit. Mundy

23. **Practice Teaching**—Three hours studio. One hour credit.

24. **Practice Teaching**—Course 23 continued. Three hours studio. One hour credit.

25. **Contemporary Painting and Sculpture**—Discussion of important art movements that have influenced the work of modern artists. Comparison of contemporary national schools. Open to juniors and seniors. Two hours attendance. Two hours credit. First semester.

26. **Composition**—One hour attendance. One hour credit. Grant

Applied Mechanics 29. **Engineering Freehand Drawing**—A course specially planned to meet the needs of students in Engineering and Physics. Elementary principles of perspective and objective drawing. Two hours studio. One hour credit. Grant

Applied Mechanics 30. **Engineering Freehand Drawing**—Course 29 continued. Two hours studio. One hour credit.

Applied Mechanics 31. **Perspective**—Geometrical construction, principles of mechanical drawing, projection, and isometric drawing. One hour attendance. Five hours drawing. Two hours credit. Rasmusen

Applied Mechanics 32. **Perspective**—Course 31 continued. Elements of descriptive geometry, theory of perspective, shades and shadows. Prerequisite: Course 31. One hour attendance. Five hours drawing. Two hours credit. Rasmusen

NOTE: An evening class in freehand drawing to meet the needs of mechanics, engineers, designers and others employed during the day will be formed on demand. Hours 7:30 p. m. to 9 p. m., one night per week. Terms \$3 per semester.

HISTORY AND CRITICISM OF FINE ARTS

Professor Dann (*Head of Department*)

The following courses have to do with the principles of aesthetic criticism, and the evolution of art in its relation to nature, to science, and to social influences. The course consists of lectures and discussions in class, collateral reading, and preparation of papers on assigned topics.

31. **Interpretation of Art**—This course is introductory to the general subject, and comprises a compendious survey of the chief periods in the history of art, together with practice in interpreting pictures, sculpture, architecture, and decorative designs. It is intended to help students to a sound criticism and appreciation of works of art. Examples are taken from various periods and schools. Open to all except freshmen. Two hours attendance. Two hours credit. First semester. Dann

32. **Interpretation of Art**—Course 31 continued. Second semester.

33. **History of Greek and Roman Art**—A study of classical architecture, sculpture, and the minor arts. Two hours attendance. Two hours credit. First semester. Dann

34. **Christian Art**—From the decline of Rome to the thirteenth century. Moorish architecture and decoration are also considered in this course. Two hours attendance. Two hours credit. Second semester. Dann

35. **History of Italian Art**—From Cimabue to Perugino. Open to juniors and seniors. Courses 31 and 32 are prerequisite. Three hours attendance. Three hours credit. First semester. Dann

36. **History of Italian Art**—From Raphael to Tintoretto. Prerequisite: Course 35. Three hours attendance. Three hours credit. Second semester. Dann

37. **Early Dutch and Flemish Painters**—To the 16th century. First semester. Two hours attendance. Two hours credit. Dann

38. **The Dutch and Flemish Painters**—Of the 17th and 18th centuries. Second semester. Two hours attendance. Two hours credit. Dann

39. **Cathedral Architecture**—A study of the construction and decoration of Romanesque and Gothic churches in Italy, France, Germany, and England. Open to all except freshmen. Two hours attendance. Two hours credit. First semester. Dann

40. **Modern Architecture**—The architecture of the Renaissance is taken up and discussed, including the points wherein it resembles or differs from classical architecture. The study and criticism of modern buildings of architectural pretensions also receives some attention. Open to all except freshmen. Two hours attendance. Two hours credit. Second semester. Dann

For course in Roman Archaeology see Roman History and Literature 19.

For course on the Interpretation of Contemporary Art see Drawing and Painting 25.

AESTHETICS

Professor Alexander

41. **Philosophy of Criticism**—Origin and development of the different types of artistic expressions; the formation and significance of art traditions; analysis of such conceptions as naturalism, symbolism, realism, idealism, classicism, romanticism, etc. Two hours attendance. Two hours credit. First semester. Alexander

42. **Philosophy of Criticism**—41 continued. History of aesthetic criticism. Aristotle's *Poetics*, Longinus' *On the Sublime*, and other treatises, are read in English. (Course 41 not necessarily prerequisite.) Two hours attendance. Two hours credit. Second semester. Alexander

43. **History of Culture**—Historical phases of the conception of culture. The rise of culture in the Mediterranean basin, with special study of the Graeco-Roman ideal of enlightened living. Plato's Republic. Three hours attendance. Three hours credit. First semester. Alexander

44. **History of Culture**—The culture of medieval times and of the Italian Renaissance, the 18th century enlightenment and humanitarianism; humanism today. Three hours attendance. Three hours credit. Second semester. Alexander

ELOCUTION AND DRAMATIC ART

Associate Professor Howell, Professor Pound, Associate Professor Scott

Only students in the course leading to the degree of Bachelor of Fine Arts can receive more than eighteen hours credit in Elocution and Dramatic Art. The departments of Germanic and Romance languages offer courses in Dramatics. Two hours in each may be substituted toward the required "Dramatics."

As in all other departments of the University, three hours of work per week is considered the basis for one credit hour, but no credit is granted without the completion of a minimum of acceptable work.

51a. Reading and Speaking—The aim is to secure naturalness and sincerity in reading and speaking, to preserve the individuality of the student, and to obtain freedom from self-consciousness. Special attention to voice culture, correct articulation and definite gesture. Analysis and vocal interpretation of selections from orators, essayists, dramatists and poets. Class recitals. All students who register for this course are required to register for 51b. Two hours attendance. Two hours credit. First semester. Howell

51b. Phonetics—Elements of English articulation. One hour attendance. One hour credit. Howell

52a. Reading and Speaking—51a continued. Prerequisite: 51a and 51b. Second semester.

52b. Phonetics—A general introduction to the subject. Lectures and exercises. The course directs attention to the accurate pronunciation of English. It may also serve as a basis for the study of the historical phonology of the various languages. One hour attendance. One hour credit. Second semester. Pound

53. Dramatic Interpretation—Advanced study of voice culture, impersonation, pantomime and gesture. Interpretation of various kinds of dramatic literature—prose and poetry. Special attention to the oration and critical study of *Hamlet*, *As You Like It*, *Macbeth*, *Romeo and Juliet*, *Much Ado About Nothing*, *Twelfth Night*, *The Rivals*, and some modern play. Analysis of plot, character and incidents. Dramatic presentation of principal scenes before the class. Prerequisite: Courses 51 and 52. Three hours attendance. Two hours credit. First semester. Howell

54. Dramatic Interpretation—53 continued. Second semester.

55. Dramatics—An intensive study of the drama and the oral interpretation of masterpieces of literature with the aim of acquiring a repertoire. Each member of the class is required to interpret various kinds of selections for a program. Each member is also required to take part in character interpretations of scenes from dramas presented before the class and is given the opportunity of appearing in a public recital or a public play. Prerequisite: Courses 51, 52, 53, and 54 or the consent of the instructor. One to five hours credit. First semester. Howell, Heppner

56. Dramatics—55 continued. Second semester.

57. Dramatics—55 and 56 continued. Work planned with reference to the history of the drama and the theater. Reports by members of the class on assigned topics. The writing of dramatic criticisms and the coaching of plays. Individual public recitals by members of the graduating class. One to five hours credit. First semester. Howell

58. **Dramatics**—57 continued.— Second semester.

59. **Teachers' Course**—Special course for teachers in city schools and for students in the Teachers College. Intended to strengthen the teaching of reading by the formation of an intelligent reading habit. Analysis of selections from the best literature and the application of principles of interpretation to classroom and platform work. Special attention to articulation, pronunciation, and voice-development. The presentation in pantomime of characters and scenes from life and literature. Individual criticism. Discussion of programs and of supplementary literature for classroom use. Two hours attendance. Two hours credit. First semester.

Howell

60. **Teachers' Course**—59 continued. Second semester.

61. **History of the Theater**—A study of the evolution of dramatic presentation, tracing the art from its most rudimentary forms to the theater of modern times. Special attention given to theatrical aspects and their influences upon dramatic tendencies. Lectures, papers and readings. Two hours attendance. Two hours credit. First semester.

Scott

62. **History of the Theater**—61 continued. Second semester.

Drama Courses in English, German and French

Eng. Lit. 3. **Shakespeare**—First studies in the literary art of this author. *Macbeth* studied in daily written exercises and library readings, with independent investigation of special topics on the art and literary history of the play. Three hours attendance. Three hours credit. First semester.

Scott

Eng. Lit. 4. **Shakespeare**—3 continued. Written studies in *Hamlet* and *Othello*. Second semester.

Eng. Lit. 39. **Play Construction**—Intended for specially qualified students who wish to work along the lines of practical play writing. An intensive study of the fundamental principles of the acting drama and an application of these principles in original construction and criticism. Primarily, a writing and practice course, including the guidance of the student not only thru the making of a producible play but its actual stage presentation. Admission by consent of instructor. Two hours attendance. Two hours credit.

Scott

Eng. Lit. 40. **Play Construction**—39 continued.

Eng. Lit. 23. **Browning**—Written studies of *Luria*, *Return of the Druses*, *Pippa Passes*. Two hours attendance. Two hours credit. First semester.

Sherman

Eng. Lit. 24. **Browning**—23 continued. *The Ring and the Book*, *Sordello*. Second semester.

Eng. Lit. 25. **Shakespeare**—Advanced studies in dramatic art, as represented in *Cymbeline*, *The Winter's Tale*, *Coriolanus*. Two hours attendance. Two hours credit. First semester. Sherman

Eng. Lit. 26. **Shakespeare**—25 continued. *Romeo and Juliet*, *Twelfth Night*, *King Lear*. Second semester.

Rhetoric 34. **Comparative Criticism**—A comparative study of the drama—Greek, Spanish, French and English. Mainly a reading course, controlled by reports, critiques and lectures. Intended to give the student some sort of foundation for the critical appreciation of literature. A reading knowledge of French is indispensable. Admission by consent of the instructor. Two hours attendance. Three hours credit. Frye

German 13, 14. **Fourth Year**—The Modern German Drama. Representative works of Hauptmann, Sudermann, Halbe, Wildenbruch, Fulda, and others. Lectures, reading and reports. Each course three hours attendance. Three hours credit. Grumann

¹French 13. **Modern French Drama and Novel**—One hour credit. First semester.

¹French 14. **Modern French Drama and Novel**—13 continued. Second semester.

MUSIC

Mrs. Raymond, Director

91. **Chorus Conducting**—Singing and interpretation, including correct phrasing, diction, breathing, and the principles of voice production. Grand opera and oratorio are studied each year and given with orchestral accompaniment. "The Messiah" is presented annually. The chorus takes part in one performance of the "May Festival" and is admitted to the concerts given by an imported symphony orchestra. Three hours attendance. One hour credit. First semester. Raymond

92. **Chorus Conducting**—91 continued. Second semester.

93. **Musical Interpretation**—An informal course of lectures on musical interpretation, dealing primarily with the compositions presented at musical convocations. Open to all students and the general public. No credit. Dann

94. **Musical Interpretation**—93 continued. Second semester.

¹Courses 13 and 14 interview work. Open to strong students with at least two years French. Consult head of department before registration.

THE THEORY AND HISTORY OF MUSIC

Assistant Professor Singer

The department of the Theory and History of Music will in time offer a two hour course for each semester of the four college years. This work is open to all University students and is required of all who wish to qualify for the degree of Bachelor of Fine Arts in Music. A tuition fee of ten dollars per semester will be charged. For the year 1917-1918 the following courses will be offered:

71. Elementary Harmony—This course deals with the fundamental principles of melody, harmony and rhythm. Thoro exercises in ear training and dictation. The ability to think musically will be developed. The study of harmony will be carried thru triads and their inversions, seventh and ninth chords, non-harmonic tones, and simple modulations, and will include the harmonizing of both given basses and given melodies. An accurate ear and familiarity with notation are required for admission. Two hours recitation. Two hours credit. First semester. Singer

72. Elementary Harmony—Course 71 continued. Second semester.

73. Advanced Harmony and Elementary Form—This is a continuation of Course 71-72, and deals with the more advanced phases of musical theory, such as the altered chords, remote and enharmonic modulation, organ point, non-harmonic tones, etc. Passages from representative compositions will be analyzed. The principles of simple musical forms will be studied, and both given and original melodies will be harmonized. Course 71-72 or its equivalent required for admission. Two hours recitation. Two hours credit. First semester. Singer

74. Advanced Harmony and Elementary Form—Course 73 continued. Second semester. Singer

77. History of Music—This course aims to familiarize the student with the main epochs of musical development as recorded in the works of composers down to the beginning of the nineteenth century. Ancient and medieval music will be briefly sketched, but greater emphasis will be laid on the period beginning with Palestrina and ending with Beethoven. It is suited to the needs of those who desire an understanding of music as a part of liberal culture. No previous knowledge of music is required.

Instruction will be carried on by means of lectures and text books, and these will be supplemented by collateral reading and by musical illustrations. Two hours recitation. Two hours credit. First semester. Singer

78. History of Music—Course 77 continued. Second semester.

79. History of Music: From Schubert to End of Nineteenth Century—This is a continuation of Course 77-78, and deals with the main currents of music from Schubert to the end of the nineteenth century. Representative compositions of the leading composers will be analyzed.

The aim of the course is to widen the historical horizon of the student and to deepen his appreciation for the best in musical literature.

Instruction will be carried on by means of lectures and text books, and these will be supplemented by collateral reading and by musical illustrations. Two hours recitation. Two hours credit. First semester. Singer

80. **History of Music**—Course 79 continued. Second semester.

APPLIED MUSIC

Accredited Instructors

All students of Applied Music must pass the entrance examinations in Applied Music in addition to the University entrance requirements. A registration fee of five dollars per semester is charged. Students arrange directly with instructors in regard to tuition fees.

Students in the College of Arts and Sciences, who are working toward the A. B. degree, may receive a total of eight credit hours in Applied Music and not more than two in any semester. Students in the special course in music who are working toward the B. F. A. degree, are required to complete forty hours of Applied Music and sixteen hours of the Theory and History of Music, with a satisfactory graduation recital. All who take their major in Vocal Music must complete twenty-four hours in this subject and sixteen in Instrumental Music.

As in all other university subjects, three hours of work per week constitute the basis for one credit hour. All students of Vocal Music must register for at least two lessons per week. Students of Instrumental Music must register for one lesson per week for one credit hour and for at least two lessons for five credit hours.

81-88. **Applied Music**—Piano, Violin, Vocal Music. Two to five hours credit. Accredited Instructors

FRENCH

(See "Romance Languages.")

GEOGRAPHY AND CONSERVATION

State Conservation and Soil Survey

Professor Condra (*Head of Department*), Professor Bengtson, Professor Brownell, Professor Loveland, Miss Nelson, Mr. Seabury, Miss Anderson, Mr. Noble

Courses 1, 2, 4, 5 and 6 are open to all students. Field courses are planned separately for men and women. Courses 1, 5 and 21 are well adapted to the needs of Engineering students. Persons preparing to teach Geography should consult with the head of the department concerning the

choice and sequence of courses. The election of majors and minors will vary with the individual needs of the student.

The State Conservation and Soil Survey is directed from this department. The Soil Survey is conducted on a basis of co-operation between the national government and the state. This relation gives opportunity for practical training in advanced work and also for the employment of some advanced students in state service.

By co-operation with other departments this department is able to offer preparation for work in Soil Survey and in Real Estate. Certain courses may be grouped after the general requirements of the Colleges of Agriculture and Arts and Sciences are met, affording specialization along the above lines during the sophomore, junior and senior years. Students wishing to take advantage of this training should elect their Major in the department of Geography and Conservation, and on first consultation with the departmental adviser should indicate which one of the vocational lines he intends to follow. Graduate instruction leading to the second and third degrees is offered. Theses are based on original work done in the laboratory and field.

1. **General Geography**—An introductory study of geographic influences in human life. Emphasis is given material resources and land forms in their relation to industry—the physical geography of the land. The course offers the basis for the geographic interpretation of history, and includes the geographic material essential in the general science studies. Lectures fully illustrated by lantern slides, maps, models, and specimens. Two hours attendance. Four hours library and laboratory preparation. Two hours credit. Open to all. First semester.

Bengtson and Assistants

2. **North America**—A summary study of the political divisions, relief, drainage, coast lines and climate of the continent. Full treatment is given each of the topographic regions, including structure, topography, physiographic development, resources and industries. The Great Plains region is emphasized. The course is suited to all students who wish a knowledge of the geography of our country. Lectures illustrated. Two hours attendance. Four hours library, laboratory and preparation. Two hours credit. Second semester.

Bengtson

4. **The Atmosphere** (Meteorology)—The course is designed to meet the needs of students in geography and agriculture. Some of the topics considered are: The composition of the atmosphere; distribution of heat and atmospheric pressure; wind systems; humidity and rainfall; storms; hot winds; changes and fluctuations of climate; climatology in its relation to deserts, prairie land, forests, agriculture, and the distribution of people; the construction of weather maps and climatic charts; forecasting, and the use and care of meteorological instruments. Two hours attendance. Four hours preparation. Two hours credit. First and second semesters.

Loveland

5. Industrial Geography—This course covers the mineral fuels, iron, forest, and water resources and their development. Studies are made of the following: Coke, coal, petroleum, iron and steel, lumber, turpentine, pulpwood, rubber, and water power. Lectures fully illustrated by slides, motion pictures, charts, and specimens. Two hours attendance. Four hours library and preparation. Two or three hours credit. Open to all. First semester. Condra, Bengtson

6. Agricultural Industries—Practical studies are made of the following industries: Cotton, corn, wheat, beet sugar, cane sugar, apple, poultry, cattle and sheep. The processes involved in converting raw materials into the finished articles of commerce are emphasized. The forms, processes, and commercial relations are illustrated by means of specimens and well selected sets of lantern slides and motion pictures. This is a course in practical agricultural industry. Two hours attendance. Four hours library, museum, and preparation. Two or three hours credit. Second semester. Condra, Bengtson

7. Methods in Physical Geography—This course deals primarily with the problem of presenting Physical Geography in the high school. Discussion of subject matter and methods of teaching. Collection and use of reference books and illustrative materials. Selection of laboratory exercises. Purpose and management of field excursions. Should be preceded by Geography 1 and 2 or equivalent. Involves working a selected list of exercises suitable for use in high schools. The teachers' problems in preparing for these exercises are studied, and some time given to discussion of suitable demonstration experiments for class use. Serves to prepare students for actual laboratory supervision. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Nelson

11. Teachers' Laboratory Courses in Physical Geography—Involves class management, class instruction, making of lesson plans, review of examination papers, provision for desk experiments; direction of laboratory work with sections of the Geography classes in the high school, care of the laboratory and its supplies, preparation in advance for experimental work, assistance to pupils at the tables, and review of laboratory papers handed in. Two hours conference. Four hours laboratory, or three hours teaching. One or two hours credit. First semester. Brownell, Nelson

12. Laboratory Course in Regional Geography—Intensive study of selected regions of the United States designed to furnish students the preparation necessary for accurate independent work. Two hours credit. Second semester. Bengtson

17. Seminar—Primarily for graduate students. Special research problems. Credit determined by results and time. First semester. Department Staff

18. Seminar—Course 17 continued. Second semester.

28. Agricultural Geography of Nebraska—The physiography and industries of the state. Topographic and soil regions are carefully studied, especially with respect to their geography and agricultural relations. Lectures are given by men representing different phases of the state development and survey activities. Designed for those who wish to know Nebraska better. Lectures illustrated by slides, specimens and motion pictures. Some field trips are made to places of physiographic and industrial interest. Two hours attendance. Two hours credit. Second semester.

Bengtson

52. Agricultural Geography—A fundamental course in the study of land and climate. Some of the topics treated are: Materials of the land; rock weathering; erosion by streams, glaciers, ground water, and wind; origin and description of land forms; weather and climate. Field trips are made to interpret and describe land forms. Laboratory work includes study of soil forming minerals and rocks, construction and interpretation of maps, uses of weather maps, climatic charts, and meteorological instruments. Lectures illustrated. Three hours attendance. Six hours laboratory and preparation. Three hours credit. Second semester at farm campus.

Bengtson, Loveland

Field and Survey Courses

9. Field Work—For women. Excursions to points of geographic interest near Lincoln, Milford, Pleasant Dale, Roca, South Bend and Louisville. A study of rivers, flood plains, terraces, drift deposits, rock ledges, escarpments, talus slopes, valleys, quarries, and sand dredging. Persons wishing the course should consult with one of the instructors before registering. Credit depending on time and results, usually one hour. First semester.

Nelson, Mrs. Condra

10. Field Work—Course 9 continued. Second semester.

21. Field Work—Open to all men students. Excursions are made to the valleys of Salt Creek, Blue River and the Platte to study the various surface features, such as loess plains, drift hills, alluvial terraces, fans, flood plains, rock benches, talus slopes, spurs, and ridges, sand dredging, gravel pits, clay pits, and quarries. Use of level, camera, and drawing materials as employed in surveys. Interpretation of topography and origin of different series of soil emphasized. Field trips on certain Saturdays. One or two hours credit. First and second semesters.

Bengtson, Noble

22. Field Work—Course 21 continued. Plane table work added. First and second semesters.

23. Soil Survey—A field course in practical soil classification, description, and mapping. The methods used in state and national surveys exemplified. Designed for Agriculture, Engineering, and special students.

Autos are used for field reconnoissance. Open to advanced students registered by permission. Two hours credit. First and second semesters.

Condra, Bengtson

24. **Soil Survey**—Course 23 continued.

GEOLOGY

Professor Barbour (*Head of Department*), Associate Professor Schramm, Assistant Professor Barbour, Assistant Professor Webster, Mr. Ellis

It is recommended that as far as practicable Elementary Botany, Chemistry 1 and 2, and Zoology precede the study of Geology. Training in Greek and Latin, and a working knowledge of Spanish, French and German is especially commended to those pursuing professional courses.

Assaying—Chemistry 21 and 22—is strongly recommended to all students of mineralogy. A knowledge of Botany and Forestry is an important aid to Field Geologists.

Students preparing themselves for civil service examinations in Geology should study Civil Engineering 5 and 6.

Candidates for the University Teachers' certificate in this department should complete, for a minor, Courses 1, 2, 9, 13, 13A, and 29. Other courses, meeting special needs, may be arranged upon consultation.

The courses in this department are wholly elective. Courses leading to advanced degrees are arranged, on consultation, to meet the needs of candidates. As far as possible, courses are repeated each semester.

1. **Elementary Geology**—Dynamical. Collateral readings, examination and determination of about 200 common minerals and rocks. Three hours attendance. Three hours laboratory. Three hours credit. First and second semesters. Barbour, Webster

2. **Elementary Geology**—Historical. Three hours attendance. Three hours laboratory. Three hours credit. First and second semesters.

3. **Advanced Geology**—Collateral readings. Experimental, laboratory and field work. Credit based on results. First and second semesters. Barbour

4. **Teachers' Course in General Geology**—A general survey of the fundamental principles of physiographic, structural, dynamical, and historical geology. Field excursions. Observation and interpretation of ordinary phenomena. Field notes, maps, sections, and the identification of materials collected. Study of a large number of characteristic minerals, rocks, fossils, and specimens illustrating phases of structural geology. Two hours attendance. Six hours preparation and laboratory. Two hours credit. First and second semesters. Barbour, Webster

5. **Geology of Soils**—A study of the origin of soils; classification; mineral composition; physical properties; areas, etc. Two hours attend-

ance. Three hours laboratory and library. Two hours credit. First and second semesters. Ellis

7. **Practical Course**—Special teachers' course. Arranged on consultation. Three to five hours attendance. One or two hours credit. Second semester. Barbour, Webster

8. **Map Construction and Interpretation**—Teachers' course. Map drawing and coloring; modeling in papier mache, clay, wax and other media; making plaster and gelatine moulds; casting in plaster of Paris, Suited to various grades. One hour credit. First semester.

Barbour, Miss Barbour, Webster

FOR SPECIAL STUDENTS

For students desiring special work as an aid to mining engineering, civil service appointment for work in geology, forestry, topography, Geology 13 may be combined with any one or more of the following courses:

A. **Elementary Mineralogy and Blowpipe Analysis**—One hour attendance. Two hours laboratory. One hour credit.

B. **Elementary Paleontology**—Study of index fossils for stratigraphic determination. One hour attendance. Two hours laboratory. One hour credit.

C. **Elementary Lithology**—One hour attendance. Two hours laboratory. One hour credit.

D. **Elementary Crystallography**—One hour attendance. Two hours laboratory. One hour credit.

E. **Elementary Field Work, Relief Maps, etc**—One hour credit

Mining Geology

33. **Mining Geology**—A study of the nature of ore deposits; principles and methods of mining; methods of prospecting, locating, mapping, and valuing mining properties; mine timbering; the economics of mining; laboratory study of common minerals, ore minerals, and associated rocks. Two hours attendance. Four hours laboratory and library. Two hours credit. First and second semesters. Schramm

40. **Mine Ventilation and Drainage**—Study of mine gases, origin, effect, and detection; methods of ventilation, control and measurement of air currents; types of mine fans, gas and dust explosions; mine fires; mine fatalities; kinds of mine rescue apparatus and use; with problems on mine ventilation. Sources of mine water and drainage methods. Two hours attendance. Four hours library and laboratory. Two hours credit. First and second semesters. Schramm, Ellis

41. **Structural Geology Applied to Mining**—Study of specimens illustrating types of texture and minute rock structure; kinds of cleavage, joints, dikes, and unconformities; with a detailed study of the folding and faulting of rocks with their relation to mineral veins and coal beds. Emphasis laid on solution of structural problems. Two hours attendance. Four hours library and laboratory. Two hours credit. First and second semesters. Schramm, Ellis

Engineering Geology

25. **Engineering Geology**—A study of rocks, rock-forming minerals, and materials for structural purposes. Two hours attendance. Four hours library, laboratory, and field. Two hours credit. First and second semesters. Barbour, Schramm, Ellis

26. **Engineering Geology**—A continuation of course 25. A study of geological principles as applied to engineering operations; rock structures; building stones; road materials; water supply, etc. Prerequisite: A working knowledge of rocks and rock-forming minerals. Two hours attendance. Three hours laboratory and library. Two hours credit. First and second semesters. Ellis

Economic Geology

34. **Economic Geology**—A study of the commercial ore minerals, their occurrence, distribution and economics, with special emphasis upon the ores of iron, copper, zinc, lead, gold and silver. Two hours attendance. Four hours laboratory and library. Two hours credit. Second semester. Schramm

35. **Economic Geology**—A study of the non-metallic minerals, coal, oil, gas, and other hydro-carbons, building stones, clay, cements, saline, and associated substances, fertilizers, abrasives, minor minerals, precious stones, and underground waters. Four hours laboratory and library. Two hours credit. First semester. Schramm

35a. **Economic Geology**—A continuation of course 35. Four hours laboratory and library. Two hours credit. Second semester. Schramm

43. **Clays**—An elementary study of the origin, properties, classification, distribution, uses, and economics of clays. Two hours credit. First semester. Ellis

Mining Course

Introductory to the formal establishment of a two-year course in Mining; the following advisory courses are recommended for the consideration of students who expect to specialize in Mining Engineering and purpose entering special mining schools.

FIRST YEAR

FIRST SEMESTER

	Hours
Mathematics 1—(Trigonometry).....	5
Chemistry A—(General Chemistry) or Chemistry 1—(Qualitative Analysis).....	3
Geology 1—(General Geology).....	3
Physics 1—(General Physics).....	3
Rhetoric 1—(Composition).....	2
Total.....	16

SECOND SEMESTER

	Hours
Mathematics 2—(Analytic Geometry and Calculus).....	5
Chemistry B—(General Chemistry) or Chemistry 2—(Qualitative Analysis).....	3
Physics 2—(Heat and Sound).....	3
Geology 15—(Blowpipe Analysis of Minerals).....	3
Rhetoric 2—(Composition).....	2
Total.....	16

SECOND YEAR

FIRST SEMESTER

	Hours
Mathematics 3—(Analytical Geometry and Calculus).....	5
Surveying 5.....	2
Surveying 5a—(Field Work).....	2
Chemistry 7—(Quantitative Analysis).....	2
Physics 3—(Electricity).....	2
Geology 33—(Mining Geology).....	2
Mechanical Drawing 1.....	3
Total.....	18

SECOND SEMESTER

	Hours
Mathematics 4—(Calculus).....	5
Physics 4—(Electricity and Light).....	3
Chemistry 8—(Quantitative Analysis).....	2
Chemistry 22—(Assaying).....	2
Geology 34—(Economic Geology).....	2
Mine Surveying.....	3
Total.....	17

Mineralogy and Crystallography

15. **Mineralogy**—Blow-pipe analysis of minerals. One, two or three hours attendance. Two, four or six hours laboratory. One, two or three hours credit. First and second semesters. Schramm

16. **Mineralogy**—15 continued. First and second semesters.

17. **Crystallography**—Crystallographic forms and measurements, mathematical relations, physical and optical properties. One hour attendance. Two hours laboratory. One hour credit. First and second semesters. Barbour, Webster

Petrology

29. **Elementary Petrology**—For teachers and others who wish a general knowledge of rocks. One hour attendance. Three hours collateral readings and laboratory. One hour credit. First semester. Schramm

30. **Petrology**—A study of rocks and rock-forming minerals determined by means of physical, optical and chemical methods. Prerequisite: Courses 11, 13, and 17. Three to six hours laboratory. One to two hours credit. Second semester. Schramm

Field Geology

27. **Field Geology**—Study of structure and stratigraphy of type sections in carboniferous, cretaceous, and recent deposits in southeastern Nebraska. Mapping, photographing and sectioning quarries, clay and gravel pits; collecting and studying characteristic fossils. Economic study of brick plants, crushers, dredges, concrete establishments, and drainage canals. Finished report from field notes. One or two hours attendance. Two or four hours field and laboratory. One or two hours credit. First and second semesters. Schramm, Barbour

31. **Field Work**—Geologic and topographic mapping, with particular emphasis on methods employed by the United States Geological Survey, construction of relief maps from topographic maps made by the students. Finished report from field notes. One or two hours attendance. Three or six hours field and laboratory. One or two hours credit. First and second semesters. Schramm

37. **Elementary Field Class**—Field trips to various points of geologic interest and instruction. Field notes with sections and sketch maps; collecting and identifying specimens. Primarily for teachers and elementary students. First and second semesters. One or two hours credit. Ellis

Summer Courses in Mining and Field Geology

38. **Mining Excursion**—Six weeks will be spent in a detailed study of mines, mills, and ore deposits of the Black Hills and other Rocky Mountain regions. This course includes the general geology of the region;

the construction of one topographic base map; stratigraphic and structural geologic maps. A study of the mica, gypsum, quartz, and cassiterite mines at Custer and Hill City, with a detailed study of the mines of the northern Black Hills with especial attention to the Homestake mine, and the coal mines at Cambria, Wyoming. The features of geologic interest listed in 39 will be studied incidentally to this work. Five hours credit.

Schramm, Barbour

39. **Geologic Excursion**—Summer geologic excursion to the Black Hills and Rocky Mountain region for the study of general geology and paleontology. Special attention will be given to the sand hills and bad lands of Nebraska, the thermal springs, Wind Cave, Crystal Cave, gypsum and other deposits, and quarries in the vicinity of Hot Springs, South Dakota; the granite needles at Harney Peak, Spearfish Canyon and Falls; intrusives of Sundance Mountain and Devil's Tower, the ore deposits, and mines of the northern Black Hills will be visited incidentally to this work. Time required, 6 weeks. Five hours credit.

Barbour, Schramm

Paleontology

9. **Elementary Paleontology**—An elementary study and comparison of living and fossil invertebrates. One hour attendance. Two hours laboratory. One hour credit. First semester.

Barbour, Webster

10. **Elementary Paleontology**—9 continued. Study of the higher forms. Second semester.

11. **Local Paleontology**—Fossils of the state. Designed primarily for teachers. Prerequisite: Course 9. One or two hours credit. First and second semesters.

Barbour, Miss Barbour

12. **Local Paleontology**—Special problems. Designed primarily for graduate students. Credit conditioned on results. First and second semesters.

Barbour

19. **Index Fossils**—A study of index fossils for stratigraphic determination. One hour attendance. Two hours reading. Three hours laboratory. Two hours credit. First and second semesters.

Barbour, Webster

GERMANIC LANGUAGES AND LITERATURES

Professor Fossler (*Head of Department*), Professor Grummann, Associate Professor Schrag, Assistant Professors Heppner, Alexis, Chamberlain, Thiel

GENERAL INFORMATION

The organization of the department of Germanics (aside from the Scandinavian languages and literatures) provides for four more or less sharply defined lines of instruction, namely:

1. Elementary (courses 1-3).
2. Intermediate (courses 4-10).
3. Advanced undergraduate (courses 11-20).
4. Graduate (courses 21-27).

Students beginning their study of German in the University with course 1 should, ordinarily, not look towards making German their Major. To fulfill the requirements for a Major would, under these circumstances, require more time and strength than they could well spare from their college course.

Those contemplating specializing in Germanics are advised to do coordinate work in English or English literature, in Latin or History, particularly German history (cf. European History 7).

The requirements for the undergraduate University Teachers' Certificate are as follows: (a) Preparatory: Two years' work in a good high school German course or courses 1, 2, 3 at the University. (b) Major: Courses 4, 5, 6, (or 5a), 7, 8, 19, 20, 21 and at least nine semester hours in German literature above courses 5 and 6 (or 5a). (c) Minor: The above mentioned courses with a minimum of three hours of more advanced literature.

A Major in the College of Arts and Sciences—not leading to the Teachers' Certificate—requires a minimum of 24 semester hours above the preparatory courses 1, 2, and 3. To insure wise and careful selection of studies students should advise with the head of the department before registering.

PREPARATORY COURSES

1. **Beginners' German**—A careful and thoro study of the fundamentals of the language: Pronunciation, the inflectional systems, sentence-structure, the vocabulary of everyday life, etc. Practice in understanding and speaking German based upon easy reading, e. g., Allen's *German Life*. Five hours attendance. Five hours credit. First and second semesters.

Grumann, Schrag, Heppner, Chamberlain

2. **Beginners' German**—Grammar and reading studies continued. Application to simple modern narrative and descriptive prose, e. g., Holzwarth's *Gruss aus Deutschland*. Composition exercises based upon texts read. Hours and instructors as in course 1. Second semester.

2a. **Beginners' German**—Essentially equal to the foregoing course, altho, since it is designed to accommodate high school students who enter with but two semesters of German, the formal or systematic side of grammar (review) is stressed particularly. Composition exercises as in course 2, including Allen's *First German Composition*. Five hours attendance. Five hours credit. First semester.

Chamberlain, Heppner, Alexis

3. **Second Year German**—Modern prose, such as Niese's *Aus dänischer Zeit*, Schrakamp's *Ernstes und Heiteres*, Gerstäcker's *Germelshausen*, Rosegger's *Waldheimat*, Müller's *Neue Märchen* or Roedder's *Schwarzwaldent*, Freitag's *Die Journalisten*. Systematic elementary com-

position and conversation based upon Allen's *First German Composition* and upon texts read. Five hours attendance. Five hours credit. First semester.

Schrag, Chamberlain, Thiel

INTERMEDIATE COURSES

PRIMARILY FOR UNDERGRADUATES

4. **Second Year German**—Translation and, as far as possible, discussion in German of more advanced text, e. g., Meyer-Förster's *Karl Heinrich*, Mogk's *Deutsche Sitten und Gebräuche*, Karl Schurz' *Lebenserinnerungen*, Meyr's *Ludwig und Annemarie*, Fulda's *Das Verlorne Paradies*, Sudermann's *Frau Sorge*, Schiller's *Jungfrau von Orleans* or *Tell*. Composition: Pope's *Writing and Speaking German*. Students who have had four semesters German in the high school should likewise register in this course. Five hours attendance. Five hours credit. First and second semesters.

Fossler, Grumann, Heppner, Thiel, Chamberlain

5. **Third Year German**—Introductory literature, chiefly classical prose and verse, e. g., Lessing's *Minna von Barnhelm*, Schiller's *Maria Stuart*, *Jungfrau von Orleans*, Goethe's *Iphigenie*, Hatfield's *Collection of German Lyrics and Ballads*. Three hours attendance. Three hours credit. First semester.

Chamberlain, Thiel

6. **Third Year German**—Above course continued with texts already mentioned or with Heine's *Prosa*, Goethe's *Egmont*, Schiller's *Wallenstein*. Three hours attendance. Three hours credit. Second semester.

Chamberlain, Thiel

5a. **Third Year German**—A combination of courses 5 and 6. The object of this course is to afford an opportunity to finish the third year's work to students who complete their fourth semester German mid-year. Five hours attendance. Five hours credit. Second semester.

Fossler, Grumann, Thiel, Chamberlain

5b. **Third Year (Scientific) German**—During the second semester—the biological and physical sciences being stressed in alternate years—the department offers a three hour course in technical readings covering the principal sciences: (a) Biology, zoology and botany; (b) chemistry, physics, and technological subjects, using texts such as Palmer's *Grundzüge der Naturlehre*, Kip's *A German Scientific Reader* and various scientific monographs. The aim and purpose of the course is to prepare students adequately to use the German as a tool in their scientific work. *To be admitted to class, students must have had at least the equivalent of two (2) full college years of German*. The class meets at 5:00 M., W., F. Three hours attendance. Three hours credit. Second semester.

Fossler

7. **Third and Fourth Year German—Conversation Course**—The design in this and the following course is to furnish such opportunity for gaining as ready and correct a command of spoken German as can be done in the class-room. Special attention is paid to colloquial, every-day idioms

and expressions. Greenfield's *Summary of German Grammar*, Fossler's *Material for Conversation*, or Kühne and Vorwerk's *Deutsches Lesebuch*, and similar helps furnish the material used. Three hours attendance. Three hours credit. First semester. Fossler, Thiel, Heppner

8. **Third and Fourth Year German**—7 continued. Free composition, close study of grammatical peculiarities. Committing of poems, proverbs, etc. Der Deutsche Gesellige Verein and The German Dramatic Club afford further opportunities for acquiring a practical knowledge of spoken German. Three hours attendance. Three hours credit. Fossler, Heppner, Thiel

9. **Third and Fourth Year German—Earlier Nineteenth Century Dramatists**—Selected dramas of Kleist, Griparzer, Hebbel, Ludwig, Anzengruber. Introduction to their life, works and theory of art. Three hours attendance. Three hours credit. First semester. Schrag

10. **Third and Fourth Year German**—Continuation of foregoing course. Three hours attendance. Three hours credit. Second semester. Schrag

ADVANCED COURSES FOR UNDERGRADUATES AND GRADUATES

11, 12. **Fourth Year—Advanced Literature**—The entire year is devoted to a study of the life and works of Goethe: (a) Pre-Weimar period, *Goetz von Berlichingen*, *Werther*, *Iphigenie*; (b) Italy and post-Italian literary activity; (c) *Faust*, *Tasso*. Specially strong students are encouraged to supplement the work of the lecture room by preparing individual reports on various phases of the poet's life and art. Supplementary readings required of all in Grimm, Bielschowsky, Meyer, Thomas, etc. Each course three hours attendance. Three hours credit. Fossler

13, 14. **Fourth Year—The Modern Novel and Drama**—Representative works of Hauptmann, Sudermann, Fontane, Kretzer, Halbe Wildenbruch, Fulda and others. Lectures, reading, and reports. Each course three hours attendance. Three hours credit. Grumann

15, 16. **History of German Literature**—From the origins to the middle of the Eighteenth Century. Besides reading representative portions of authors or periods under consideration, students are required to familiarize themselves with works of reference such as Scherer's *History of German Literature*, Franke's *Social Forces in German Literature*, Kluge's *Deutsche National-Litteratur*, or Biese's *Litteratur Geschichte*. Lectures, readings and reports. Three hours attendance. Three hours credit. First and second semesters. Schrag

[16a. **Lessing, His Life and Works**—The chief writings of the reformer of German literature are studied both in regard to their literary and critical aspects. Special attention is paid to the influence of English and French literature upon the beginning of German classicism. *Laokoon*, *Hamburgische Dramaturgie*, *Miss Sarah Sampson*, *Emilia Galotti* and *Nathan der Weise* are read and discussed in class. Supplementary readings, lectures

and reports. Three hours attendance. Three hours credit. *Not given in 1917-1918.* Schrag]

17. **Germanic Mythology**—A study of the more important Germanic myths, their origin and relation to folk-lore. Two hours attendance. Two hours credit. First semester. Grummann

18. **German Hero Lore**—A study of the origin and growth of the Volsunga Saga. A comparative study of Hebbel's *Die Nibelungen*, Wagner's *Der Ring des Nibelungen* and Ibsen's *Nordische Heerfahrt*. Two hours attendance. Two hours credit. Second semester. Grummann

19. **The Teachers' Course**—A survey of the principles and methods underlying the teaching of German. Lectures, assigned readings; discussions, papers and reports on topics connected with teaching German in secondary schools. Candidates for the Teachers' Certificate in German are required to teach the language for at least one full semester in the Teachers' College High School, under the supervision of the department and a supervisory instructor. A careful examination of the aims and objects to be kept in view, as well as of grammars and other texts (such as readers, compositions, etc.) suitable for high school use. The course also includes a thoro review of the chief features of German grammar. Reference books: Frazer and Van Der Smissen's *German Grammar*, Bagster-Collins' *German in Secondary Schools*, etc. Prerequisite: Courses 4, 5, 6 (or 5a), 7, 8 and advanced literature courses. A minimum average of 80 per cent in previous German courses is required of all students who wish to take this course. Three hours attendance. Three hours credit. First semester. Fossler

20. **Advanced Conversation and Composition Course**—Continuation of 8 and 19. Kluge's *Themata zu deutschen Aufsätzen und Vorträgen* or Vorbrod't's *Dispositionen und Themen*, and material suggested in the latter work. Especially designed to supplement the work of those who intend to become teachers of German. Two hours attendance. Two hours credit. Second semester. Heppner

GRADUATE WORK—MASTER OF ARTS

In order to prosecute graduate studies successfully the student should have had preliminary training in German in at least 30 college hours. These 30 hours must represent work covered in courses 5 to 20.

In general, a combination of philological and advanced literary work will prove most suitable to the needs and satisfactory progress of the student. Occasionally a greater degree of specialization, either in linguistics or literature, may be desired and will be permitted, if the student has the necessary preliminary training.

The following courses are suggested as suitable subjects for a Major:

FIRST SEMESTER

	Hours
1. Phonetics.....	1
2. Gothic.....	2
3. Any Advanced Literature Course, not already taken.....	3
4. Comparative Germanic Philology.....	3
5. Modern Literature (Seminar).....	2
6. History of German Literature.....	3

SECOND SEMESTER

1. Principles of Linguistic History.....	2
2. Critical Study of Lessing and his work or History of German Literature (continued).....	3
3. Old and Middle High German.....	3
4. Modern Literature Seminar.....	2
5. Thesis.....	2

Coordinate Minors may be chosen either from the more advanced undergraduate courses in the department of German or from other departments such as Latin, the Romance Languages, English and English Literature, History, Philosophy, Education. In all such cases the work elected must be rated by the department concerned as constituting graduate or advanced undergraduate work. The total Minors for both semesters should represent from 8 to 12 semester hours, and must be chosen with the consent of this department.

COURSES OF INSTRUCTION

21. **Phonetics**—The work is based mainly upon Siever's *Phonetik*. One hour attendance. One hour credit. First semester. Grumann

22. **Old and Middle High German**—Selections from the older literature. Prose and verse. Selections from the *Nibelungenlied*, *Wolfram von Eschenbach*, *Walther von der Volgelweide*, *Hartmann von Aue*, etc. Transition stages between the Middle and the New High German. Three hours attendance. Three hours credit. Second semester. Grumann

23. **Comparative Germanic Philology**—The fundamental principles of linguistic science, with special reference to the prehistoric relationship, and historical development and differentiation of English and German. Three hours attendance. Three hours credit. Fossler

24. **Principles of Linguistic History**—The work is based principally upon Diekhoff's *The German Language*, and Behagel's *Die deutsche Sprache*. Two hours attendance. Two hours credit. Second semester.

Grumann

25. **Gothic**—Grammar and readings. The language, with respect to its phonology, etymological connections and inflectional system; its relation to the other Germanic dialects. Two hours attendance. Two hours credit. First semester. Fossler

27. **Seminary in German Naturalism**—The influence of foreign literature and social forces upon German naturalism. Psychological criticism and its relation to earlier schools. Two hours attendance. Two hours credit. First semester. Grumann

Scandinavian Languages and Literatures

Assistant Professor Alexis

1. **Beginning Swedish**—Elements of grammar with easy readings; sentence-structure; word-building; vocabulary. Geijerstam's *Mina pojkar*. Three or five hours attendance. Three or five hours credit. First semester. Alexis

2. **Beginning Swedish**—1 continued. Modern narrative prose. Selma Lagerlöf's *En herrgårdssägen*. Helena Nyblom's *Det ringer*. Conversational exercises. Three or five hours attendance. Three or five hours credit. Second semester. Alexis

3. **Second Year Swedish—Syntax and Composition**—Selma Lagerlöf's *Nils Holgerssons underbara resa genom Sverige*. Runeberg's *Fänrik Ståls sägner*. Three hours attendance. Three hours credit. First semester. Alexis

4. **Second Year Swedish**—3 continued. Lectures on early Scandinavian culture. Mythology. Tegner's *Frithiofs saga*. Three hours attendance. Three hours credit. Second semester.

5. **Dano-Norwegian**—Principles of grammar; pronunciation; reading of narrative prose. Björnson's *Synnöve Solbakken*. Two hours attendance. Two hours credit. First semester. Alexis

6. **Ibsen**—*Brand* and *Peer Gynt* or some of the social dramas. Class reading and interpretation. Two hours attendance. Two hours credit. Second semester.

[7. **History of Swedish Literature**—Karl Warburg's *Svensk litteraturhistoria*. Schück's and Warburg's *Illustrerad litteraturhistoria*. John Mortenson's *Från Aftonbladet till Röda Rummet*. Lectures, reading and reports. Three hours attendance. Three hours credit. First semester. Not given in 1917-1918. Alexis]

[8. **History of Norwegian and Danish Literature**—Jaeger's *Den norske Litteraturens historie*. Hansen's *Danske Litteraturens historie*. Lectures, reading and reports. Three hours attendance. Three hours credit. Second semester. Not given in 1917-1918. Alexis]

9. **Life and Culture in the Scandinavian Countries**—A study of the public and private life of the Scandinavian peoples in modern times.

Their means of subsistence, government, family relations, religion, schools, relations to foreign countries, railways, canals, and kindred subjects will be considered. Lectures in English, illustrated by lantern slides, with assigned readings in the originals or in translation. One hour attendance. One hour credit. First semester. Alexis

10. **Old Norse (Icelandic)**—Kahle's *Altisländisches Elementarbuch*. Mogk's *Gunnlaugs saga ormstungu*. Two hours attendance. Two hours credit. Second semester. Alexis

GREEK HISTORY AND LITERATURE

Professor Lees, (Head of Department)

Candidates for the University Teachers' Certificate in this department should complete courses 1, 2, 3, 4, 7, 8, and 10 or their equivalent for a major and courses 1, 2, 3, 4 for a minor. One or two years of the Greek language will be found very helpful and even quite essential to a thoro mastery of the Latin language.

GRADUATE WORK

Master of Arts—Requirements vary somewhat according to the preceding work of the student, but at least three years of study in the Greek language, including courses 1, 2, 3, 4, 5, 8 or their equivalents, should be completed before proceeding to graduate work. Majors and minors are arranged with each graduate student on consultation with the instructors. The following statements may indicate in general the requirements for majors and minors:—Major: At least five hours for a year of classroom work; the entire Iliad or Odyssey read in the original; one Attic author carefully read and style mastered; a thoro knowledge of the history and development of Greek literature from Homer to Aristotle; a thesis. First Minor: Six hours, at least, of classroom work from courses open to graduate students, supplemented by assigned library readings. Second Minor: One-half of the amount required for a first minor.

Greek Language

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Elementary Greek**—Essential facts of the language; simple exercises and easy readings. Five hours attendance. Five hours credit. First semester. Lees

2. **Elementary Greek**—1 continued. Xenophon's Story of Cyrus. Simple composition exercises. Five hours attendance. Five hours credit. Second semester. Lees

2b. **The Greek in English**—A study of the English words derived from the Greek language. Aims to give such mastery of elementary Greek

that the student is able to read Xenophon's *Anabasis* (Course 3) the following semester. Five hours attendance. Five hours credit. Second semester. Instructor

3. **Xenophon's *Anabasis***—Selections from Books I-IV. Parallel and supplementary readings from standard histories of Greece. Three hours attendance. Three hours credit. First semester. Lees

4. **The *Odyssey***—Three books read consecutively; sight reading from selected passages of the first twelve books. Literary study of the whole poem from the English translation. Three hours attendance. Three hours credit. Second semester. Prerequisite: Courses 1, 2 or 2b, and 3. Lees

5. **Herodotus**—Selected chapters from the *History* of Herodotus. The Persian invasion of Greece. The battles of Thermopylae and Salamis. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Lees

6. **Plato**—The *Apology* and *Crito*. Socrates, his method, teachings, trial and death. Two hours attendance. Two hours credit. Second semester. Prerequisite: Courses 1, 2, 3, or 5. Lees

FOR UNDERGRADUATES AND GRADUATES

7. **The Greek Drama—Aeschylus**—The *Prometheus Bound*, and one other drama. A discussion of the works and literary characteristics of Aeschylus. Three hours attendance. Three hours credit. First semester. Lees

8. **Sophocles**—The *Antigone*, and one other drama. Greek actors, costumes, and theatre. Three hours attendance. Three hours credit. Second semester. Lees

9. **Euripides**—Two dramas read in the original. Style and literary characteristics of Euripides. Two hours attendance. Two hours credit. First semester. Lees

10. **Aristophanes**—The *Clouds* and *Frogs*. Rise and development of Athenian comedy. Its relation to Roman and later comedy. Two hours attendance. Two hours credit. Second semester. Lees

11. **The Greek Historians**—Selected chapters from the works of Herodotus, Thucydides, and Xenophon. Two hours attendance. Two hours credit. First semester. Lees

12. **The Greek Orators**—Selected orations of Lysias and Demosthenes. Two hours attendance. Two hours credit. First semester. Lees

13. **Epic Poetry**—Selected readings from the *Iliad* and the *Odyssey*. A general survey of the content of the Homeric Poems. Two hours attendance. Two hours credit. First semester. Lees

14. **Lyric Poetry**—Selections from the leading Lyric poets. Two hours attendance. Two hours credit. Second semester. Lees

15. **Greek Philosophy**—The *Phaedo* of Plato. A survey of Greek Philosophy. Two hours attendance. Two hours credit. First semester.

Lees

16. **Lucian**—Selected dialogs. An outline history of Greek Literature from Homer to the second century A. D. Two hours attendance. Two hours credit. Second semester.

Lees

19. **New Testament Greek**—Selection from the Gospels. Two hours attendance. Two hours credit. First semester.

Instructor

20. **New Testament Greek**—19 continued. Pauline Epistles. Second semester.

Greek History and Archaeology

No knowledge of Greek is required in order to pursue the following courses. They are open to all students in any department of the University.

32. **Greek History and Literature**—The salient facts of Greek History. Masterpieces of Greek Literature in English translations. Our heritage from Ancient Greek Civilization in literature, art, philosophy, and politics. Two hours attendance. Two hours credit. First semester.

Lees

33. **Greek History and Literature**—32 continued. Second semester.

Lees

36. **Greek Archaeology and Antiquities**—Topography, architecture, theatres, temples, social customs, funeral monuments. An itinerary thru Greece with lectures and illustrations from photographs and lantern slides. One hour attendance. One hour credit. Second semester.

Lees

Sanskrit

The following courses in Sanskrit and comparative philology are open to advanced and graduate students. Altho they are intended primarily for graduate students in either ancient or modern languages, yet they may be profitably pursued by any advanced and aspiring student who desires to secure a broader basis for special study in his chosen linguistic field.

The aim of the work in Sanskrit is to give the student such a knowledge of basic grammatical forms and syntactical structure as to assist him greatly in the comprehension and mastery of similar phenomena in all our European languages.

1. **Beginners' Course**—Inflections and conjugations. Whitney's Sanskrit Grammar and interpretation of an easy text. Two hours attendance. Three hours credit. First semester.

Lees

2. **Elementary Sanskrit**—Selected readings from the Nala and the Hitopadeca as given in Lanman's Sanskrit Reader. Two hours attendance. Three hours credit. Second semester. Lees

3. **Sanskrit**—Selections from the Hitopadeca and the Manava Dharmacastra. One hour attendance. Two hours credit. First semester. Lees

4. **Sanskrit**—Reading and interpretation of selected hymns of the Rigveda. One hour attendance. Two hours credit. Second semester. Lees

Comparative Philology

The courses in comparative philology do not require nor presuppose a knowledge of Sanskrit.

5. **The Elements of Linguistic Science**—Comparative philology of the more familiar divisions of the Indo-European family of languages. Lectures and discussions. One hour attendance. One hour credit. First semester. Lees

6. **The Elements of Linguistic Science**—5 continued. Second semester.

HISTORY

(See "American History," "English History" and "European History.")

HISTORY AND CRITICISM OF THE FINE ARTS

(See "Fine Arts Courses.")

HOME ECONOMICS

(See "Agricultural Courses")

HORTICULTURE

(See "Agricultural Courses")

JOURNALISM

(See "Rhetoric Courses")

JURISPRUDENCE AND PUBLIC LAW

Professor Hastings (*Head of Department*), Professor Maxey

GRADUATE WORK

Master of Arts—Complete courses, or major or minor courses, are arranged upon application.

Master of Laws—A candidate for the degree of Master of Laws must have received the degree of Bachelor of Laws from this University or from

some approved law school, must complete an additional year's work of at least 16 hours a week in the College of Law or the Graduate College or both, and must present a suitable thesis embodying the result of original investigation and research. Before such student shall be entitled to the degree he must complete all the courses, elective as well as required offered in the College of Law for the degree of Bachelor of Laws.

Jurisprudence

1. **History and System of the Common Law**—General survey of the legal system of English-speaking countries; courts, their organization and jurisdiction. Students taking this course should have had English History. Credited in the College of Law. Two hours attendance. Two hours credit. First semester.

Hastings

[2. **Roman Law**—History and Institutes. Credited in the College of Law. Two hours attendance. Two hours credit. First semester. *Given in 1916-1917 and alternate years.*

Maxey]

3. **Analytical and Historical Jurisprudence**—Introduction to legal theory. Credited in the College of Law. Three hours attendance. Three hours credit. Second semester.

Maxey

Public Law and Diplomacy

1. **American Constitutional Law**—Cases on constitutional law. Credited in the College of Law. Three hours attendance. Two hours credit. First semester. Students taking this course should have had American History.

Hastings

2. **American Constitutional Law**—1 continued. Cases on constitutional law. Prerequisite: Course 1. Credited in the College of Law. Three hours attendance. Three hours credit. Second semester.

Hastings

3. **American Administrative Law I**—Law of public officers; extraordinary legal remedies. Credited in the College of Law. Two hours attendance. Two hours credit. First semester.

Maxey

4. **American Administrative Law II**—3 continued. Taxation. Credited in the College of Law. Two hours attendance. Two hours credit. Second semester.

Maxey

6. **International Law I**—Credited in the College of Law. Three hours attendance. Three hours credit. First semester.

Maxey

7. **International Law II**—Advanced course. Specific problems of international law. Credited in the College of Law to students who do not count International Law I. Two hours attendance. Two hours credit. Second semester.

Maxey

8. **European Diplomacy**—Two hours attendance. Two hours credit. First semester.

Maxey

[9. **Comparative Constitutional and Administrative Law**—Comparative study of public law of the United States, England, Canada, and Australia. Two hours attendance. Two hours credit. First semester. *Given in 1916-1917 and alternate years.* Maxey]

10. **American Diplomacy**—[American History 22] Organization. Main diplomatic controversies. Two hours attendance. Two hours credit. Second semester. Maxey]

[11. **Seminary on Consular Service**—Admission upon consent of the instructor. Two hours attendance. Two hours credit. Second semester. *Given in 1916-1917 and alternate years.* Maxey]

LAW COURSES

(See "College of Law" on preceding pages of this Catalog)

MATHEMATICS

Professor Davis (*Head of Department*), Professor Candy, Professor Engberg, Professor Brenke, Assistant Professor Blumberg, Assistant Professor Runge, Assistant Professor Babbitt, Miss Colpitts, Mr. Fitzpatrick

GRADUATE WORK

Required Undergraduate Courses—Courses 1, 2, 3, and 4 are prerequisite for all graduate work.

MASTER OF ARTS

Students working toward the Master's Degree are required to complete not less than 24 hours in addition to courses 1, 2, 3, 4, which must include courses 5, 6, 8, 22, 23 or their equivalents; also 6 hours in an allied subject, physics, astronomy or engineering; finally, an acceptable thesis.

DOCTOR OF PHILOSOPHY

The candidate must have not only an extended general knowledge of mathematics on the basis of the requirements for the degree of Master of Arts, but must also devote special attention to some line of modern research, consulting both standard treatises and the various mathematical journals. The results of this work are to be presented and discussed from time to time in the mathematical seminary and finally embodied in a thesis.

LIBRARY FACILITIES

The department has a carefully selected library to which additions are constantly made. Leading current periodicals are kept on file, and of these there are several complete sets.

SEMINAR

The instructors and advanced students meet the first and third Wednesday of each month, 4:30 to 6:00 p. m., for the discussion of current literature, the presentation of the results of investigations, and the solutions of assigned problems.

MATHEMATICAL CLUB

Membership is open to students who have completed, with distinction, one year of work in the department, and who are recommended by their instructors. Meetings are held on the second Thursday evening of each month, from 7:30 to 9.

REQUIREMENTS FOR THE UNIVERSITY TEACHERS' CERTIFICATE

Major (25 hours), courses 1, 2, 3, 4, 8, 9, 9a; minor (12 hours), courses 1, 2, 8, and, if possible, 9 and 9a. Courses 1a and 1b may be taken in place of course 1. It is very desirable that prospective teachers of Mathematics should add all or part of courses 5, 10, 20. They will thus get ideas that will vivify their teaching. It is also desirable that Physics should accompany Mathematics even if to do so the amount of Mathematics taken be diminished. Three points entrance credit in Algebra and three points in Geometry are necessary to enter course 1. Those who have had only 4 points credit are required to take course A and should begin with this course.

See also the announcement in the Graduate School of Education.

COURSES

A. Solid Geometry—Prerequisite: Four points high school credit. Three hours attendance. Three hours credit. First semester.

1a. College Algebra—Prerequisite: Four points high school credit. Three hours attendance. Three hours credit. First and second semesters.

1b. Trigonometry—Prerequisite: Course 1a, or proficiency in Algebra thru logarithms. Three hours attendance. Three hours credit. First and second semesters.

NOTE—Courses 1a and 1b are primarily for students in the College of Arts and Sciences.

1. Algebra and Plane Trigonometry—Prerequisite: Six points high school credit. Five hours attendance. Five hours credit. First and second semesters.

2. Analytical Geometry and Calculus—Prerequisite: Course 1 or 1b. Five hours attendance. Five hours credit. First and second semesters.

3. Analytical Geometry and Calculus—2 continued. Five hours attendance. Five hours credit. First and second semesters.

4. **Calculus**—3 continued. Five hours attendance. Five hours credit. First and second semesters.
5. **Differential Equations**—Prerequisite: Course 4. Three hours attendance. Three hours credit. First semester. Candy
6. **Differential Equations**—5 continued. Second semester.
7. **Theory of Probability**—Three hours attendance. Three hours credit. Second semester. Engberg
8. **College Algebra**—Primarily for those intending to teach mathematics. Two hours attendance. Two hours credit. Second semester. Engberg
9. **History of Mathematics**—Two hours attendance. Two hours credit. Second semester. Candy
- 9a. **Mathematical Pedagogy**—The application of the principles of teaching Mathematics in actual class work in the Teachers College Training School. One hour credit. First and second semesters. Hill
10. **Higher Algebra**—Three hours attendance in one of the following: (a) Theory of Equations, (b) Galoi's Theory, (c) Theory of Quantics. Three hours credit. First semester. Blumberg
11. **Higher Algebra**—10 continued. Second semester.
12. **Theory of Functions**—Three hours attendance. Three hours credit. First semester. Brenke
13. **Theory of Functions**—12 continued. Second semester.
14. **Elliptic Functions**—Three hours attendance. Three hours credit. First semester. Davis
15. **Elliptic Functions**—14 continued. Second semester.
16. **Harmonic Analysis**—Applied to the Partial Differential Equations of Mathematical Physics. Source of these equations. Methods of solution. Theory of Fourier's series. Other series of normal functions. Solution. Three hours attendance. Three hours credit. First semester. Brenke
17. **Harmonic Analysis**—16 continued. Second semester.
18. **Mathematical Logic**—Three hours attendance. Three hours credit. First semester. Davis
19. **Point Sets**—Three hours attendance. Three hours credit. Second semester. Davis
20. **Projective Geometry**—Three hours attendance. Three hours credit. First semester. Engberg
21. **Foundations of Algebra and Geometry**—Three hours attendance. Three hours credit. Second semester. Brenke
22. **Advanced Analytical Geometry**—Prerequisite: Course 5. Three hours attendance. Three hours credit. First semester. Candy

23. **Advanced Analytical Geometry**—22 continued. Second semester.

24. **Modern Geometry**—Two hours attendance. Two hours credit. First semester. Blumberg

25. **Modern Geometry**—24 continued. Second semester.

26. **Imaginaries in Geometry**—Two hours attendance. Two hours credit. First semester. Davis

27. **Reading Courses**—Under direction of members of the department, such as Heath's Euclid, Non-Euclidian Geometry, Comparative study of Text Books, Graphic representation, Transfinite numbers. One to five hours credit.

28. **Differential Geometry**—Two hours attendance. Two hours credit. First semester. Davis

29. **Differential Geometry**—28 continued. Second semester.

30. **Vector Analysis**—Three hours attendance. Three hours credit. First semester. Davis

31. **Continuous Groups**—Three hours attendance. Three hours credit. First semester. Brenke

32. **Continuous Groups**—31 continued. Second semester.

33. **Calculus of Variations**—Three hours attendance. Three hours credit. Brenke

34. **Theory of Numbers**—Three hours attendance. Three hours credit. Second semester.

35. **Integral Equations**—Three hours attendance. Three hours credit. First semester. Blumberg

41. **Statistics**—Statistical problems. Interpretation of statistics. This course should be taken in connection with Economics 28. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. First semester. Engberg

42. **Insurance**—Mathematical principles of insurance, especially of life insurance. This course should be taken in connection with Economics 6. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. Second semester. Engberg

43. **Theory of Investments**—Interest, Annuities, Amortization, Valuation of Bonds, etc. Three hours attendance. Three hours credit. Prerequisite: Mathematics 1a. Second semester. Brenke

Biometry

The mathematical theory of evolution. A mathematical analysis of botanical and biological problems. An extended knowledge of mathematics is not necessary, altho of great aid. The work is intended primarily for

advanced students in the natural sciences who can apply this work to their researches, but it is open to other students.

45. **A Review of Preliminary Mathematics**—Followed by study of various frequency curves and applications to individual problems. Two hours attendance. Two hours credit. First semester. Engberg

46. **A Review of Preliminary Mathematics**—45 continued. Studies in error correlations of frequency constants, variation, organic correlation, regression, heredity, spurious correlation and fixture of type. Two hours attendance. Two hours credit. Second semester.

47. **Studies in Organic and Fraternal Correlation and Problems in Heredity**—One hour attendance. One to three hours credit. First semester. Engberg

48. **Studies in Organic and Fraternal Correlation and Problems in Heredity**—47 continued. Second semester.

MECHANICAL ENGINEERING

(See "Engineering Courses")

MEDICAL COURSES

(See "College of Medicine" on preceding pages of this Catalog)

MILITARY SCIENCE AND TACTICS

Captain Samuel M. Parker, Infantry U. S. Army, Commandant
(*Head of Department*)

Under the provisions of the National Defense Act of June 3, 1916, there has been established at the University an infantry unit, senior division, of the Reserve Officers' Training Corps.

Act of June 3, 1916. Sec. 40. The Reserve Officers' Training Corps. The President is hereby authorized to establish and maintain in civil educational institutions a Reserve Officers' Training Corps, which shall consist of a senior division organized at universities and colleges requiring four years of collegiate study for a degree, including State universities and those State institutions that are required to provide instruction in military tactics under the provisions of the act of Congress of July 2, 1862, donating lands for the establishment of colleges where the leading object shall be practical instruction in agriculture and the mechanic arts, including military tactics, and a junior division organized at all other public or private educational institutions, except that units of the senior division may be organized at those essentially military schools which do not confer an academic degree but which, as a result of the annual inspection of such institutions by the War Department, are specially designated by the Secretary of War as qualified for units of the senior division, and each

division shall consist of units of the several arms or corps in such number and of such strength as the President may prescribe.

The primary object of establishing units of the Reserve Officers' Training Corps is to qualify, by systematic and standard methods of training, students at civil educational institutions for reserve officers. The system of instruction herein prescribed presents to these students a standardized measure of that military training which is necessary in order to prepare them to perform intelligently the duties of commissioned officers in the military forces of the United States, and it enables them to be thus trained with the least practicable interference with their civil careers.

Under the above quoted sections, all graduates of the Reserve Officers' Training Corps are eligible for commission as second lieutenants in the Officers' Reserve Corps and appointment as temporary second lieutenants in the Regular Army; those who desire to undergo the six months' period of training are required to make timely application for this appointment. The object of the six months' training with the Regular Army is to acquaint the reserve officer with service in the Regular Army and to enable the Government to ascertain his qualifications for future promotion by thus providing a probationary period of training under the immediate supervision of officers of and with units of the Regular Army.

COURSE OF TRAINING FOR INFANTRY UNITS OF THE SENIOR DIVISION

1. Military art.

Three hours a week (counting 14 units). One hour credit.

(a) Practical. Weight 10.

Physical drill (Manual of Physical Training—Koehler); Infantry drill (U. S. Infantry Drill Regulations), to include the School of the Soldier, Squad and Company, close and extended order. Preliminary instruction sighting position and aiming drills, gallery practice, nomenclature and care of rifle and equipment.

(b) Theoretical. Weight 4.

Theory of target practice, individual and collective (use of landscape targets made up by U. S. Military Disciplinary Barracks, Fort Leavenworth, Kans.); military organization (Tables of Organization); map reading; service of security; personal hygiene.

2. Military art.

Three hours a week (counting 14 units). One hour credit.

(a) Practical. Weight 10.

Physical drill (Manual of Physical Training—Koehler); Infantry drill (U. S. Infantry Drill Regulations), to include School of Battalion, special attention devoted to fire direction and control; ceremonies; manuals (Part V, Infantry Drill Regulations); bayonet combat; intrenchments (584-595, Infantry Drill Regulations); first-aid instructions; range and gallery practice.

(b) Theoretical. Weight 4.

Lectures, general military policy as shown by military history of United States and military obligations of citizenship; service of information; combat (to be illustrated by small tactical exercises); United States Infantry Drill Regulations, to include School of Company; camp sanitation for small commands.

3. **Military art.**

Three hours a week (counting 14 units). One hour credit.

(a) Practical. Weight 10.

The same as course 2 (a). Combat firing, if practicable, but collective firing should be attempted in indoor ranges by devices now in vogue at United States Disciplinary Barracks.

(b) Theoretical. Weight 4.

United States Infantry Drill Regulations, to include School of Battalion and Combat (350-622); Small-Arms Firing Regulations; lectures as in (b) course 2; map reading; camp sanitation and camping expedients.

4. **Military art.**

Three hours a week (counting 14 units). One hour credit.

(a) Practical. Weight 10.

The same as course 2 (a); signaling; semaphore and flag; first-aid. Work with sand table by constructing to scale intrenchments, field works, obstacles, bridges, etc. Comparison of ground forms (constructed to scale) with terrain as represented on map; range practice.

(b) Theoretical. Weight 4.

Lectures, military history (recent); service of information and security (illustrated by small tactical problems in patrolling, advance guards, rear guards, flank guards, trench and mine warfare, orders, messages, and camping expedients); marches and camps (Field Service Regulations and Infantry Drill Regulations).

5. **Military art.**

Five hours a week (counting 24 units). Two hours credit.

(a) Practical. Weight 13.

Duties consistent with the rank as cadet officers or noncommissioned officers in connection with the practical work, and exercises laid down for the unit or units. Military sketching.

(b) Theoretical. Weight 11.

Minor tactics; field orders (studies in minor tactics, United States School of the Line); map maneuvers. Weight 8.

Company administration, general principles (papers and returns). Weight 1.

Military history. Weight 2.

6. Military art.

Five hours a week (counting 24 units). Two hours credit.

- (a) Practical. Weight 13.

Same as (a) course 5. Military sketching.

- (b) Theoretical. Weight 11.

Minor tactics (continued); map maneuvers. Weight 8.

Elements of international law. Weight 2.

Property accountability; method of obtaining supplies and equipment (Army Regulations). Weight 1.

7. Military art.

Five hours a week (counting 24 units). Two hours credit.

- (a) Practical. Weight 13.

Duties consistent with rank as cadet officers or noncommissioned officers in connection with the practical work and exercises scheduled for the unit or units. Military sketching.

- (b) Theoretical. Weight 11.

Tactical problems, small forces, all arms combined; map maneuvers; court-martial proceedings. (Manual for Courts-martial.)

International relations of America, from discovery to present day; gradual growth of principles of international law embodied in American diplomacy, legislation, and treaties.

Lectures: Psychology of war and kindred subjects.

General principles of strategy only, planned to show the intimate relationship between the statesman and the soldier (not to exceed five lectures).

8. Military art.

Five hours a week (counting 24 units). Two hours credit.

- (a) Practical. Weight 13.

Same as course 7 (a).

- (b) Theoretical. Weight 11.

Tactical problems (continued), map maneuvers. Rifle in war.

BASIC COURSE

Freshman year, courses 1 and 2 (28 units). Two hours credit.

Sophomore year, courses 3 and 4 (28 units). Two hours credit.

ADVANCED COURSE

Junior year, courses 5 and 6 (48 units). Four hours credit.

Senior year, courses 7 and 8 (48 units). Four hours credit.

MUSIC

(See "Fine Arts Courses.")

PHARMACOLOGY

(See "Physiology and Pharmacology.")

PHARMACY COURSES

(See "College of Pharmacy" on preceding pages of this Catalog)

PHILOSOPHY

Professor Wolfe (*Head of Department*), Professor Alexander, Professor Hinman, Assistant Professor Hyde, Mr. Jenkins, Miss Armstrong, Mr. Showalter, Mr. Warden

The primary aim of work in Philosophy is to serve as an organizing discipline in a general education, and to correct the narrowness often incident to specialization. It is an efficient means for the development of breadth, balance, culture, and maturity. It lies nearer today than ever before, probably, to the various sciences, social, historical, biological, and physical, on the one hand, and to the requirements of practical life on the other. Students seeking to make this use of Philosophy may begin with either course 1, course 3, or course 4 as early as the first semester of the sophomore year, and should carry a course each semester thereafter, the complete program including both Psychology and General Philosophy. Third and fourth year students may also begin their work in Philosophy with any one of the following courses: 21, 30, 51. After the first introductory semester, courses from all sub-groups within the department are equally open to the student.

Another very important aim of the department is to aid in the professional training of teachers. Those who wish to secure the University Teachers' Certificate must take courses 1 and 2 in Elementary Psychology.

GRADUATE WORK

The department as now organized has full professors representing each main division of the subject. It is well supplied with library and laboratory facilities, and is enabled to offer ample facilities for graduate work.

Major or minor courses for advanced degrees are arranged for in Psychology, in Aesthetics, in Ethics, in Logic and Metaphysics, and in History of Philosophy. No special statement of the number of hours required either for the degree of Master of Arts or that of Doctor of Philosophy need be made. Courses are outlined for each individual case in conformity with the general regulations laid down by the Graduate Faculty. Owing to the nature of philosophy as a fundamental discipline in touch with all sciences, graduate students pursuing majors in other specialties will often find a minor in Philosophy of large value.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Elementary Psychology**—A general introductory course, including the elements of descriptive, physiological, and experimental psychology. Designed for students who desire more than one semester in psychology. A good foundation is laid in two semesters for further studies in psychology, philosophy or education. Botany 1 and 2 or Zoology 3 and 4 should precede or accompany this course. Not open to first year students. Required for the Teachers' Certificate. Three hours attendance. Two hours laboratory. Three hours credit. First semester. Wolfe

2. **Elementary Psychology**—1 continued. Second semester.

3. **Elementary Psychology**—A briefer course in general psychology for students wishing the minimum requirement in this field. Not open to first year students. Three hours attendance. Two hours laboratory. Three hours credit. Second semester. Hyde

4. **Logic, Deductive and Inductive**—Practice in logical analysis, the use of syllogism and inductive methods, and detection of fallacies. Three hours attendance. Three hours credit. First and second semesters. Hinman

8. **Biblical Literature**—Lectures on the history and literature of the ancient Hebrews. Two hours attendance. Two hours credit. Second semester. Alexander

I. Psychology

11. **Experimental Psychology**—Chiefly laboratory work. The student learns to manipulate all standard apparatus, and becomes somewhat familiar with present laboratory problems. Methods of investigation and of dealing with data are considered. In the second semester about half of the time is devoted to intensive investigation of some problem begun early in the year. Two hours credit. First semester. Wolfe

12. **Experimental Psychology**—11 continued. Second semester.

13. **Genetic Psychology**—A comparative study of the animal mind. Readings and discussions on the methods of investigation, material accumulated, and conclusions reached. Beginning with the lowest animals, evidences of intelligence are sought in several representative groups. Effort is made to realize the resemblances and differences between the mind of the higher animals and that of man. Two hours attendance. Two hours credit. First semester. Wolfe

14. **Genetic Psychology**—A study of the child mind in development. Essentially a course in the evolution of the individual. The class surveys the material of "child study" on infancy, childhood, and adolescence, reviews normal psychology, and studies old age. A few weeks are given to certain typical forms of abnormal mind, arrested development and genius. Two hours attendance. Two hours credit. Second semester. Wolfe

16. **Educational Psychology**—A practical study of the factors which influence the development of body and mind. May be applied on required hours in education. Two hours attendance. Two hours credit. Second semester. Wolfe

[17. **Suggestion and Psychotherapy**—A survey of the psychology and psycho-pathology of suggestion and allied phenomena. Entrance by permission of instructor. Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.* Alexander]

18. **Psychology and Efficiency**—The application of the facts and theories of modern psychology to the everyday affairs of present society. About one half of each student's time will be devoted to the general principles underlying all successful living and the other half of the time will be given to a study of his own chosen field. It is expected that each student will select some line of activity in which he may possibly engage. Especial attention will be given to medicine, law, ministry, social service, general business, salesmanship, advertising. Two hours attendance. Two hours credit. Second semester. Wolfe

II. Ethics

21. **Elementary Ethics**—A study of the fundamental principles of morals carried out in the light both of the great historic philosophies of life and also of such modern sciences as biology, psychology and sociology. Two hours attendance. Two or three hours credit. First semester.

Hinman

22. **Practical Ethics**—An analysis of many of the main problems of individual and social conduct, aiming to trace the bearing of sound ethical principles upon everyday life. Normally a continuation of course 21 but may be taken also without it. Two hours attendance. Two or three hours credit. Second semester.

Hinman

23. **Ethical Theory**—The object of this course, running for two years, is the intensive study of dominant types of modern ethical systems. Each semester a section of the history of recent ethical debate is chosen for study, and the relevant classical works are analyzed. During 1917-1918 the development of intuitionism, utilitarianism, and idealism will be examined, involving familiarity with the writings of Martineau, Bentham, Mill, Sidgwick, Kant, Green, Bradley and Taylor. Two hours attendance. Two hours credit. First semester.

Hinman

24. **Ethical Theory**—23 continued. Second semester.

[25. **Ethical Theory**—During 1918-1919 the object of study will be the evolution of man's moral nature and conduct, and the evolutionary theory of ethics. The relation of this theory to utilitarianism and to idealism will be developed, and attention given to the writings of Darwin,

Spencer, Stephen, Sutherland, Westermarck, Alexander, Wundt, and Hobhouse. Two hours attendance. Two hours credit. First semester.

Hinman]

[26. **Ethical Theory**—25 continued. Second semester.]

III. Metaphysics and Philosophy of Science

30. **Introduction to Philosophy**—Develops the philosophical conception of Reality as Mind, and applies it in some detail to the interpretation of the system of the sciences. Deals with such ruling ideas as those of matter, force, life, heredity, evolution, purpose, mind, reason, God. Designed to meet the needs of the scientific and general student, and to serve also as a preparation for further work in philosophy. Lectures. Three hours attendance. Three hours credit. First and second semesters. Hinman

30a. **Philosophical Themes**—Students who have taken or are taking course 30 may mature themselves in this subject and secure additional credit by preparing papers in connection with assigned topics, and carrying out the library work which these involve. No further class attendance. One to three hours credit. Hinman

33. **Advanced Metaphysics**—A systematic study of contemporary metaphysical thought, based upon an analysis of the debate between the absolute idealists and their recent critics. May be carried profitably by the student who has completed course 30. Two hours attendance. Two hours credit. First semester. Hinman

34. **Advanced Metaphysics**—33 continued. Second semester.

37. **Logic of Science**—Deals with the nature of conception, judgment and inference, with reference both to general philosophical results and to the methodology of science. Bosanquet's larger *Logic* is the basis of the course. Two hours attendance. Two hours credit. First semester.

Hinman

38. **Logic of Science**—37 continued. Second semester.

IV. Aesthetics

41. **Philosophy of Criticism**—Origin and development of the different types of artistic expression; the formation and significance of art traditions. Two hours attendance. Two hours credit. First semester.

Alexander

42. **Philosophy of Criticism**—41 continued. History of aesthetic criticism. Aristotle's *Poetics*, Longinus' *On the Sublime*, and other treatises, are read in English. (Course 41 not necessarily prerequisite.) Two hours attendance. Two hours credit. Second semester.

Alexander

43. **History of Culture**—Historical phases of the conception of culture: Graeco-Roman ideal of enlightened living. Plato's *Republic*. Three hours attendance. Three hours credit.

Alexander

44. **History of Culture**—The culture of medieval times and of the Italian Renaissance; the 18th century Enlightenment and humanitarianism; humanism of today. Three hours attendance. Three hours credit. Second semester. Alexander

V. History of Philosophy

51. **History of Philosophy**—Survey of the principal philosophical systems in their development and relation to the political and social conditions of their times. Three hours attendance. Three hours credit. First semester. Alexander

52. **History of Philosophy**—51 continued. Second semester.

53. **Greek and Medieval Philosophy**—Special studies in the history of philosophy for advanced students. One session weekly. Two hours credit. First semester. Alexander

54. **Greek and Medieval Philosophy**—53 continued. Second semester.

55. **Advanced German Reading**—Some philosophical or psychological work will be read in German. The purpose is to acquaint students in this department with the technical German vocabulary peculiar to his line of work and to help him to think in German as he reads. Two hours attendance. Two hours credit. First semester. Hyde

56. **Modern German Philosophy**—55 continued. Second semester.

57. **German Idealism**—Kant and Hegel. First semester devoted to the Critical philosophy. Brief study of background of Criticism in English Empiricism; careful study of teachings of Kant's three Critiques. Two hours attendance. Two hours credit. First semester. Hinman

58. **German Idealism**—57 continued. Development of Kantian doctrine in its idealistic phases by his successors briefly traced; culmination of post-Kantian Idealism, studied at length in Hegel's *Smaller Logic*. Second semester. Hinman

57a. **English Empiricism in the Nineteenth Century**—Mill and Spencer. After a brief study of Hume, the development of Empiricism will be traced in the Associational school, and its culminating phases in the philosophical views of John Stuart Mill will be analyzed in detail. Two hours attendance. Two hours credit. First semester. Hinman

58a. **English Empiricism in the Nineteenth Century**—57a continued. Spencer's *Synthetic Philosophy*. Second semester.

VI. History and Philosophy of Religion

60. **Philosophy of Religion**—Nature and meaning of religion and grounds of religious beliefs in view of the rational interpretation of the universe made by modern science and philosophy. Origin and evolution of

religion, the psychology of religion, arguments for the existence of God, modern conception of God and Immortality. One hour attendance. One hour credit. Second semester. Hinman

61. **History of Religion**—After a short examination of the origin of religion and its form among primitive peoples its history is traced at some length among the Aryans, and more briefly among Chinese, Japanese, Egyptians, Babylonians, and Semitic races. The greater religions are analyzed in order to explain and evaluate the philosophical views which they involve. Three hours attendance. Three hours credit. First semester. Hinman

62. **History of Religion among the Hebrews** (Briefer course)—Essentially a library course on the development of Israel's religious ideals, as reflected in the Old and New Testaments, and interpreted in the spirit and by the methods of the higher criticism. Open only to students who have had course 30 or course 61, or other work of equal value for training to critical and constructive thinking in this field. Lectures, conferences, and readings. Three hours credit. Second semester. Hinman

63. **Philosophy and Psychology of Religion**—Advanced course. An extensive survey of recent literature primarily in the philosophy of religion and in the psychology of religion so far as this has an immediate bearing upon philosophical issues. Two hours attendance. Two hours credit. First semester. Hinman

64. **Philosophy and Psychology of Religion**—63 continued. Second semester.

PRIMARILY FOR GRADUATES

71. **Psychological Seminary**—The year will be given to the study of some problem, or group of closely allied problems, to be definitely determined by the interests of the members of the seminary. Seniors who have had 1 and 2, and who are taking 11 or 12 may elect this course. Two hours attendance. Two hours credit. First semester. Wolfe

72. **Psychological Seminary**—71 continued. Second semester.

73. **Ethical Seminary**—Study of special problems in ethics. Two hours attendance. Two hours credit. First semester. Hinman

74. **Ethical Seminary**—73 continued. Second semester.

75. **Seminary in Logic and Metaphysics**—Two hours attendance. Two hours credit. First semester. Hinman

76. **Seminary in Logic and Metaphysics**—75 continued. Second semester.

PHYSICAL EDUCATION

Professor Clapp (*Head of Department*), Associate Professor Gittings,
Instructors Baldwin, Lee and Campbell, Doctor Hansen

GENERAL INFORMATION

The practice courses in physical education are open, as electives, to men. No student may take work in the department without regular registration.

Members of all classes in physical education and of all University athletic teams are required to take a physical examination at the beginning of the college year or at the beginning of the semester in which that training begins.

Unless excused by Director, all women are required to take physical training four days per week for the first two years.

The general health of all women is carefully looked after by the director of the women's gymnasium and the examining physician for women. Special medical gymnastics is arranged for those whose health does not permit them to take the general class work.

Men are required to wear gray Turner trousers, navy blue sleeveless jerseys and heelless shoes. Women are required to wear uniform gymnasium suits, which should, *under no conditions*, be ordered before consulting the instructor.

TEACHERS' CERTIFICATE IN PHYSICAL EDUCATION

The University Certificate in Physical Education is granted to graduates of the University who have satisfied all the special requirements given below and whose work in general, special and professional subjects has been of a high order. Graduates of other universities and of colleges of high rank may receive this certificate upon the same terms as graduates of this institution. Students not graduates of this University or of institutions of equal rank, who complete this course, receive statements to that effect and also credit toward a degree for their work. Requirements: Rhetoric 1 and 2; Chemistry 1 and 2; Zoology 3a, 4a and 21; Human Anatomy, (Zoology A15 and A16); Physiology 1 and 2; Philosophy 1 and 2; Physical Education (theory) 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 17, 18, 20, 35, 36, 37, 38, 39, 40, 41, 42, 43 and 44 for both men and women (except 5, 43 and 44, which are not required of women); Physical Education (practice) 13, 14, 15, 16, 27, 29, 30, 31, and 32 for men, 21, 22, 23, 24, 33, and 34 for women. Ability to use the common strokes in swimming is also required. The professional work for the certificate should be taken with other undergraduate studies.

Physical Education—Theory

2. **Physical Diagnosis**—Theory and practice of normal and abnormal physical signs of the thoracic organs. Two hours attendance. Two hours credit. Second semester.

Clapp

[3. **Anthropometry**—History. Measurements, their statistical and diagnostic value. Practice in taking and recording measurements and in making charts. Laws of human proportion. Average, mean, and ideal types. Analysis and critical inspection of measurements and personal histories for determining fitness for gymnastic work. Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.*

Gittings]

[4. **Applied Anatomy**—Muscles and their relation to common gymnastic and athletic movements. Presupposes a knowledge of anatomy. Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.*

Gittings]

5. **General Athletic Training**—Theory of Training for all branches of athletics. Ancient and modern methods compared. Diet, sleep, bathing and rubbing. Treatment of injuries commonly sustained in athletics. One hour attendance. One hour credit. First semester. Clapp

[7. **Kinesiology**—Aims, varieties and effects of gymnastic movements. Swedish and German methods. Gymnastic terminology. Hygienic, educative and recreative. Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.*

Gittings]

[8. **Physiology of Bodily Exercise**—Physiological features of training, breathlessness, fatigue and stiffness. Testing respiratory movements and circulation before and after exercises. Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.*

Clapp]

9. **Emergencies**—First aid treatment in case of accidents, such as fractures, dislocations, wounds, hemorrhages, poisoning and drowning. Bandaging, nursing, and general care of the sick. Recitations and laboratory. One hour attendance. One hour credit.

Gittings]

[10. **Medical Gymnastics and Prescription of Exercise**—Corrective gymnastics as applied to abnormal conditions. Special lectures to women on pelvic anatomy. Massage. Theory and practice. Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.*

Gittings]

11. **History and Literature of Physical Education**—Ancient and modern literature covered by assigned readings, digests, reports, discussions and lectures. One hour attendance. One hour credit. First semester.

Gittings]

[12. **Methods and Equipment of a Department**—Gymnasium and athletic field; construction, equipment, organization, rules and management. One hour attendance. One hour credit. Second semester. *Not given in 1917-1918.*

Clapp]

17. **General and Swedish Methods of Teaching**—(Consult instructor before registering.) Two hours attendance. Two hours credit. First semester.

Gittings]

18. **German Methods of Teaching**—17 continued. Second semester.
20. **Track Athletics**—The technique of standard track and field events and systematic preparation for indoor and outdoor contests. Practice—Proper form in events mentioned above; and general physical work for training purposes. Two hours theory. Four hours practice and outside readings. Two hours credit. Second semester. Clapp
37. **Practice in Teaching**—Practical gymnastic and playground teaching experience with University classes and children in Lincoln Public Schools. For Senior Normals only. First semester. Three hours attendance. One hour credit. Clapp, Gittings
38. **Practice in Teaching**—37 continued. Second semester.
39. **Playgrounds**—(Consult instructor before registering.) Philosophy of play. Aims and purposes of the playground. Organization, construction, equipment, administration and management. Playground activities—games, festivals, and social work. Lectures, readings, reports and practice. Two hours attendance. Two hours credit. First semester. Gittings
40. **Playgrounds**—39 continued. Second semester.
41. **Personal Hygiene**—Chemistry of digestion; foods, their sources, digestibility and value; standard diet tables; stimulants and narcotics; respiration and circulation; bathing and clothing; care of the eye; exercise and its effect on the system; sleep and recreation. Lectures and outside reading. Two hours attendance. Two hours credit. Clapp
42. **Hygiene**—41 continued. Public hygiene and sanitation; infectious and contagious diseases; their transmission and prophylaxis; heating; lighting; ventilation; drainage; plumbing; immediate and final sewage disposal.
43. **Football**—Theory and Practice—Instruction in rudiments of the game, position play, strategy, dieting, training, team play, history and coaching. Two hours lecture. Two hours laboratory. Library readings and written reports. Two hours credit. First semester. Stewart
44. **Football**—Theory and Practice—43 continued. Second semester.

Physical Education—Practice

MEN—FIRST YEAR

13. **Gymnastics**—(a) Light Gymnastics—Free-hand body building, dumb-bells and wands.
- (b) Heavy Gymnastics—Elementary apparatus work and parallel bars, side and long horse, buck, vaulting and horizontal bars and tumbling.
- (c) Recreative Gymnastics—Games and contests. Three hours attendance. One hour credit. First semester. Campbell

14. **Gymnastics**—13 continued. (a) Light Gymnastics—Continuation of previous semester's work, Indian clubs and elementary gymnastic dancing.

(b) Heavy Gymnastics—Continuation of previous semester's work.

(c) Recreative Gymnastics—Continuation of previous semester's work. Boxing and wrestling. Second semester.

* Students who have registered and received credit for course 13 or 14 will not be allowed to re-register for the same course.

MEN—SECOND YEAR

15. **Gymnastics**—Advanced light and heavy gymnastics. Games and contests. Wrestling and fencing. Courses open to men who have completed Physical Education courses 13 and 14 or their equivalent. Three hours attendance. One hour credit. First semester. Campbell

16. **Gymnastics** 15 continued. Second semester.

27. **Wrestling**—Demonstration and practice of the various common holds and breaks. Starts with the fundamentals. Class will progress toward advanced wrestling as fast as the ability of the members will permit. First semester. Three hours attendance. One hour credit. Rutherford

31. **Leaders' Class**—Members must be proficient in all forms of gymnastics. Consult instructor before registering. One hour credit. First semester. Clapp, Campbell

32. **Leaders' Class**—31 continued. Second semester.

WOMEN—FIRST YEAR

21. **Light Gymnastics**—Swedish gymnastics. Correction of improper walking and standing positions. Elementary dancing and gymnastic games. Lectures in personal hygiene. Four half-hours or three three-fourth hours attendance. One hour credit. First semester. Lee

22. **Light Gymnastics**—21 continued. Elementary work on balance beams, spring boards, stall bars, booms, ropes, etc. Four half-hours attendance. One hour credit. Second semester.

WOMEN—SECOND YEAR

23. **Light Gymnastics**—Military marching. German gymnastics, dumb-bells, wands, and Indian clubs. Elementary exercises on horse, parallel bars, flying rings and buck. Athletic and gymnastic games. Folk and artistic dancing. Four half-hours or three three-fourths hours attendance. One hour credit. First semester. Baldwin

24. **Light Gymnastics**—23 continued. Basketball, indoor baseball, field hockey and tennis. Four half-hours attendance. One hour credit. Second semester.

25. **Normal Course**—This brief course of Normal Training in Physical Education is planned primarily for students of the Teachers College who wish to teach elementary gymnastics or playground work in connection with other high or grade school work. Practice in Swedish and German gymnastics; apparatus and folk dancing; instruction in indoor and outdoor gymnastics; games and athletics; the general theory of gymnastics and the physiological reasons for different types of exercises will be discussed, and opportunity offered for practice in teaching gymnastics. Work in this normal course will be accepted as the equivalent of the usual courses 21, 22, 23 and 24, required of all young women, and credit will apply towards the four hours required of all young women for graduation. Attendance three three-fourths hours per week. One hour credit. Gittings

26. **Normal Course**—25 continued. Second semester.

29. **Advanced Heavy Gymnastics**—Open only to those who have attained proficiency in heavy gymnastics. Three hours attendance. One hour credit. First semester. Clapp

30. **Advanced Heavy Gymnastics**—29 continued. Second semester.

33. **Gymnastics** (For Normal Training students only)—Advanced light and heavy Swedish gymnastics. Exercises on stall bars, boom, parallel bars, ropes, poles, etc. Swedish song-games, folk and aesthetic dancing. Field hockey, soccer football, indoor baseball, tennis and basketball. Five hours attendance. One hour credit. Course required two years. Gittings, Baldwin

34. **Gymnastics**—(For Normal Training students only)—33 continued. Advanced light German gymnastics with dumb-bells, wands and Indian clubs. Advanced apparatus work on horse, parallel bars, flying and traveling rings, spring board, buck, etc. Fencing. Six hours attendance. Two hours credit.

35. **Aesthetic Dancing**—(For first year Physical Education Normal students, and Fine Arts students who have completed courses 21 and 22)—Practice in the technique of aesthetic dancing. Classical, oriental and national dances. Rhythmic interpretation of classical music. Two hour periods per week with outside notebook work. One hour credit.

Baldwin

36. **Aesthetic Dancing**—35 continued. Second semester.

PHYSICS

Professor Skinner (*Head of Department*), Professor Moore, Professor Almy, Professor Tuckerman, Assistant Professor Tool, Mr. Gish, Mr. Spencer

Two distinct series of courses are offered in physics to undergraduates. They differ in the requirements for admission and in the thoroughness of the work.

The first series (1, 2, 3, 4) is prescribed for engineering students. It culminates in 5 and 6 for electrical engineering, with, in addition, 17 and 18 for those taking a major in physics in the College of Arts and Sciences. It is open to students who have two points entrance credit in physics, or sixty university hours.

The second series (11, 12, 13, 14) is designed for those desiring to study physics from a more purely philosophical—less mathematical—standpoint and in its relation to other sciences and to natural phenomena. It is open to the students of any college who have *completed* their college entrance requirements.

For the University Teachers' Certificate, courses 1, 2, 3, 4 (three hours each), 15 and 16; or 11, 12, 13, 14, 15, and 16 are required for a major in physics. For a minor 15 and 16 may be dropped from the requirement for a major.

GRADUATE WORK

For graduate students instruction is given in both theoretical and experimental physics. Lectures are given in the general theoretical branches and are offered on special topics in which the lecturer is immediately interested.

In theoretical physics courses 21, 22, 23, 24, 25, 26 are given in a sequence of six semesters with four hours lecture weekly, while the others are given as the occasion demands.

For the degree of Master of Arts the candidate may offer simply a major in physics, but is advised to offer also a minor in some related subject. One year of purely graduate study may be sufficient to attain the degree. No thesis is required.

For the degree of Doctor of Philosophy three years work, including a completed research, is required. In addition to the work in physics and mathematics the candidate must offer also a minor in either chemistry, astronomy or philosophy.

General Physics

COURSES PRIMARILY FOR UNDERGRADUATES

1. **General Physics**—Mechanics of solids and fluids. Two hours lecture with illustrative experiments and one recitation. Three hours laboratory. Three hours credit. First semester.

Almy, Gish, Spencer

2. **General Physics**—Heat and sound. As in 1. Second semester.

3. **General Physics**—Electricity. This course extends into the second semester. Two hours lecture with illustrative experiments. Three hours laboratory. Two or three hours credit. First semester.

Almy, Moore, Spencer

4. **General Physics**—Electricity and light. Prerequisite: Course 3. As in 3. Second semester.

5. **Problems in Electricity**—(Taken with course 4, but not preceding it.) Two hours attendance. Two hours credit. Second semester

Tuckerman

6. **Electrical Measurements**—Prerequisite: Courses 3 and 5. Eight hours laboratory. Three hours credit. First semester. Tuckerman

11. **Arts Course in General Physics**—Mechanics, sound and heat. For the nature of this course and conditions for admission see above. Three hours lecture with illustrative experiments. Three hours laboratory. Three hours credit. First semester.

Skinner, Tool, Spencer

12. **Arts Course in General Physics**—Electricity and light. Prerequisite: Course 11. A continuation of 11. Three hours credit. Second semester.

13. **Advanced Physics for Arts Students**—The physical properties of the molecule, the ion and the electron. Deals with the simple kinetic theory of gases, osmotic pressures, the laws of solution, electrolytic dissociation and conductivity, and the electron theory as applied to the simpler phenomena of electric conduction in gases. Three hours lecture. Three hours laboratory. Three hours credit. First semester.

Skinner, Tool

14. **Advanced Physics for Arts Students**—Geometrical and physical optics. A study of the optical principles of various important optical instruments, and the application of these instruments in studying the physical nature of light. Three hours lecture. Three hours laboratory. Three hours credit. Second semester.

Skinner, Tool

15. **Teachers' Special Methods in Physics**—Discussion of methods and procedure in teaching high school physics. Guiding principles in the selection and adaptation of subject-matter and laboratory exercises. Choice of apparatus and supplies. Equipment and efficient administration of the laboratory. Difficulties of physics teaching in high schools generally. Such understanding and organization in the teaching procedure as may reasonably assure successful teaching service from the outset. Prerequisite: Courses 1, 2, 3, 4, or 11, 12, 13, 14. Two hours attendance. Three hours laboratory. Two hours credit. First semester.

Brownell

15b. **Teachers' General Course in Physics**—The selection and working of experiments to constitute a year's course in high schools—qualitative and quantitative for both laboratory and lecture table. Organization of the

subject-matter to be taught in connection with such experiments. Parts of the subject presenting special teaching difficulties in high school work given careful exposition. The laboratory work a series of exercises fundamental in the teaching process. Three hours attendance. Three hours laboratory. Three hours credit. Second semester. Brownell

16. **Teachers' Laboratory Course in Physics**—A semester of teaching of classes in high school physics under closest critical supervision. Involves (a) class management, preparation for class instruction, making of lesson plans, review of examination papers, provision for desk experiments; (b) direction of the laboratory work of sections of high school physics classes, with care of the laboratory and its supplies, preparation in advance for the experimental work, assistance to pupils at the tables, and review of laboratory papers handed in. To follow or in connection with Physics 15, or 15b. Two hours conference. Five hours laboratory, or five hours teaching. One, two or three hours credit. First and second semesters. Brownell

17. **Exact Physical Measurements**—In heat, the determination of freezing and boiling points; in electro-chemistry, the study of electrolysis, conductivities, electromotive forces and electrolytic polarization; in optics, the use of the spectroscope, diffraction grating, interferometer, polariscope and accessories. Open to students who are taking special work in physics, chemistry, or astronomy—the experiments being selected to fit the demands of their specialty. One hour reading. Six hours laboratory. Three hours credit. First semester. Moore

18. **Exact Physical Measurements**—As in 17. Second semester.

FOR UNDERGRADUATES AND GRADUATES

19. **Advanced Experimental Physics**—Exact determination of physical constants, requiring a careful duplication of some classic experiments in physics, in which a single experiment is expected to cover a period of about one semester, or an introduction to research. Fifteen hours laboratory. Five hours credit. First semester. Moore

20. **Advanced Experimental Physics**—As in 19. Second semester.

PRIMARILY FOR GRADUATES

Research—Original investigation of some problem in physics. No time limit imposed. Less than fifteen hours a week is not advisable.

Skinner, Moore, Tool

Theoretical Physics

PRIMARILY FOR GRADUATES

21. **Dynamics of Discrete Particles**—Formal development of the general principles of mechanics: D'Alembert's Principle; Gauss' Principle of Least Constraint; Hamilton's Principle of Least Action; La Grange's

Equations; Hamilton's Canonical Equations; applications to special problems. Four hours lecture. Four hours credit. First semester.

Tuckerman

22. Elasticity and Hydrodynamics—Elasticity; deformations of homogeneous media, isotropic and crystalline; vibrations of isotropic media; applications to special problems. Hydrodynamics: irrotational and vortex motions; scalar and vector potentials; application to mechanical theories of electromagnetic phenomena. Four hours lecture. Four hours credit.

Tuckerman

23. Electricity and Magnetism—The fundamental equations of Maxwell, applied to the theory of Static, Stationary, Quasistationary, and Kinetic Electromagnetic field. A short outline of Vector Analysis and Quaternions (Hamiltonian and Continental Notations) is given as an introduction. Four hours attendance. Four hours credit. First semester.

Tuckerman

24. Electro-Optics—Electromagnetic oscillations and their application to the theory of light. 23 continued. Second semester.

Tuckerman

25. Thermodynamics—The classical theory of thermodynamics and its application to certain types of physical and chemical phenomena, including heat radiation. The course concludes with a brief comparison of the classical theory with the modern statistical theories. Four hours lecture. Four hours credit. Second semester.

Tuckerman

26. Heat Radiation and Quantum Theory—The statistical interpretation of the entropy principle and its application to Heat Radiation, leading to the introduction of Planck's "quantum." The Quantum Theory as a guiding principle in modern investigation. Four hours lecture. Four hours credit.

Tuckerman

27-28. Optics—Theory of ray systems; application to optical instruments. Three hours credit. First and second semesters.

Skinner

29. Thermo- and Electro-Chemistry—Three hours credit. One semester.

Moore

30-31. Theory of Changes of Physical State and Chemical Constitution of Bodies—Two hours credit. First and second semesters.

Moore

32. Electric Conduction in Gases—Ionization; ionic velocities; cathode rays; radioactivity; electron theory. Two hours credit. One semester.

Tool

Physical Colloquium—Instructors and graduate students meet weekly for presentation of short papers on the progress of their investigations and those reported in current periodicals.

PHYSIOLOGY AND PHARMACOLOGY¹

Professor Lyman (*Head of Department*), Assistant Professor Day, Mr. Thompson, Doctor Johann, Doctor Stevens, Miss Nelson

Graduate work in physiology and pharmacology is open to those students who have completed courses 1 and 2 or 3 as described below and who have had sufficient training in related branches and in the languages. Work leading to the degrees of Master of Arts and Doctor of Philosophy must be research of such a type as to merit publication in the standard journals. The time necessary in each case is that required by the Graduate College. Candidates will consult with the head of the department before registering.

COURSES PRIMARILY FOR UNDERGRADUATES

A. General Physiology for Teachers—The object of this course is to give a systematic presentation of that part of physiology which should be presented pupils of grade and high school age and to prepare teachers for certification. Physiology as it is usually taught in the public schools is an uninteresting subject both to pupils and instructor largely because of lack of preparation on the part of the teacher. The work of one grade is but a repetition of the preceding one and the work of the high school is a repetition of that of the grammar grades. It is the intention of this course to present the subject in such a way as to make grade and high school work follow in the proper sequence and to make it possible for students to apply the principles of physiology to the practical problems of life. In the laboratory such experiments will be performed as can be used to advantage for demonstration purposes and for individual work. Two hours lecture. Three hours laboratory. Two hours credit. Summer sessions.

Lyman, Day

1. General Animal Physiology—A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses, and reproduction. A combined lecture, demonstration, and laboratory course. Three hours attendance. Four hours laboratory. Three hours credit. First semester and the Summer Session.

Lyman, Day, Thompson

2. General Animal Physiology—1 continued. Three hours attendance. Four hours laboratory. Three hours credit. Second semester and the Summer Session.

3. Advanced Human Physiology—The physiology of the central and the peripheral nervous systems, and the organs of special sense. Three hours attendance. Four hours laboratory. Three hours credit. First semester.

Lyman

¹For advanced courses in Pharmacology and Physiological Assaying see "College of Pharmacy."

4. **Sex Hygiene**—This course is intended primarily for teachers and social workers but is open to all students. The most important problems considered are the following: The anatomy, physiology and hygiene of the sexual organs. What should be taught children at different ages and how the subject should be presented. The responsibility of the teacher to the child and to the home. The physiological and sociological importance of venereal diseases, methods of infection and prevention and their relation to alcoholism. Two hours attendance. Two hours laboratory. Two hours credit. Second semester and the Summer Session for men. First and second semesters and the Summer Session for women.

Lyman

5. **Physiology of Pregnancy and the Child**—A study of the physiological phenomena of pregnancy and of the child for the first nine months of its life. The course deals with the symptoms of pregnancy, both objective and subjective, the diet, exercise and clothing of the pregnant woman, the preparation for labor, the use and value of anesthetics in labor, "twilight sleep," the care of the mother after labor and thruout the nursing period, the care of the newborn child, methods of feeding, both natural and artificial, the teething period, proper kinds of clothing, the moral instruction of the infant, its relationship to disease in the parents and the general hygiene of the child. For men first semester and the Summer Session. For women first and second semesters and the Summer Session. Two hours attendance. Two hours laboratory. Two hours credit.

Lyman

6. **Advanced Course for Teachers**—A course in methods for those desiring to teach physiology in high school and college. This course includes a didactic and experimental study of the tobacco, alcoholic and habit producing drug problems. Prerequisite: Courses 1 and 2 required, 3 and 4 recommended. Two hours attendance. Two hours laboratory. Two hours credit. Second semester.

Lyman

10. **Materia Medica**—A didactic and laboratory study of the origin, natural history, preparations, and methods of using individual drugs. For students of dentistry. Two hours attendance. Two hours laboratory. Two hours credit. Second semester.

Johann

11. **Medical Problems of the Public School**—A lecture, reading and demonstration course designed primarily for teachers, pre-medical students, and others interested in the subject of public school hygiene. The following subjects are the most important discussed: The growth, physical development and methods of examination of the normal school child. Abnormal children with special emphasis upon defects of vision, hearing, teeth, speech, posture and mind. Diseases of the nervous system. Tuberculosis its symptoms, treatment, detection, prophylaxis, sequelae, and quarantine regulation of the Exanthemata (measles, scarlet fever, etc.). Duties of the school nurse. Lighting, heating, ventilating and equipping of school building. Methods and apparatus for playgrounds. Methods of carry-

ing on health inspection in rural communities, small towns and large cities. Two hours attendance. Two hours laboratory. Two hours credit. First semester. Johann

13. **History of Medicine**—The early lectures of this course are given by Dr. Stevens on the duties and responsibilities of the physician; his relation to his fellow practitioners; the evolution of the art of medicine and the various relationships of the profession to society in general. The remaining lectures are given by various physicians from the medical faculty in Omaha. The object of the course is to give the student a comprehensive view of the fields of Medicine. One hour attendance. First semester.

14. **Teachers' Methods in Physiology**—A detailed discussion of methods of presenting the subject in high schools. Selection of text and reference books. Relation of laboratory work to class room instruction. Courses 1 and 2 required. Two hours attendance. Three hours laboratory. Two hours credit. First semester. Nelson

15. **Teachers' Laboratory Course in Physiology**—A semester of teaching classes in high school physiology under close supervision. Involves (a) class management, preparation of lesson plans, review of examination papers; (b) direction of laboratory classes, preparation of all experimental work and guidance of pupils in making experiments, and the review of laboratory papers. To follow, or in connection with course 2. Two hours conference. Four hours laboratory, or three hours class instruction. Two or three hours credit. Second semester. Nelson

19. **Physiological Standardization**—An advanced course in the methods of physiological standardization. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. Second semester.

Lyman, Thompson

20. **Research**—Investigation of some physiological or pharmacological problem which the candidate must select after consultation with the person in charge of the department. First and second semesters. Lyman

POLITICAL SCIENCE AND SOCIOLOGY

Professor Howard (*Head of Department*), Professor Webster, Professor Aylsworth, Associate Professor Williams, Lecturer Sheldon

UNDERGRADUATE WORK

Courses 1 and 2 are open to all students and are recommended to those intending to teach civil government, or American history, in the schools, being especially adapted in method and matter to their needs.

Teachers' Certificate—Candidates for this certificate may elect the required special work in this department in conjunction with allied subjects. The following courses are suggested: Major—Courses 1, 2, 23, 15, 17, 11, 12; Minor—Courses 1, 2, 23, 15, 35 or 11. Other courses may perhaps be

more valuable for particular students. Individual conferences are suggested.

REQUIREMENTS AND FACILITIES FOR GRADUATE WORK

The minimum requirement for the degree of Master of Arts is one full year's work or the equivalent of about thirty class-hours, including a thesis. A candidate may devote his entire time to the work of the department; or he may divide it between a major and a minor. A minor is the equivalent of nine class-hours. The selection of courses is influenced by the character of the thesis.

The minimum requirement for the degree of Doctor of Philosophy is three full years' work, of which about three-fifths, or the equivalent of about sixty class-hours, must be given to the major subject. The remaining two-fifths of the time, or the equivalent of about forty class-hours, must be devoted to a first minor or divided equally between two second minors. The particular courses in the major subject are selected with regard to the character of the thesis and with reference to the candidate's aim and preparation. The thesis must be the result of the sustained investigation of the original materials. Without undergraduate training in thesis-writing or research courses, it is difficult to take either the master's or the doctor's degree in the minimum period. Preferably minors may be selected in the departments of economics, history, or public law; but minors will be accepted in education, philosophy, or other departments, according to the needs of the candidate. In all cases a good knowledge of economics and history is required.

The facilities available for graduate study and research in both political science and sociology are excellent. The libraries of the University, city, state and the State Historical Society afford the student access to an aggregate of about 290,000 volumes. The University Library contains the standard authorities and reference works on institutional history, social science, anthropology, ethnology, Roman law, historical jurisprudence, political economy, philosophy, government, politics, administration and statistics. It is especially strong in public documents and other material, source and secondary, for the investigation of problems in American government and administration. The State Library of 80,000 volumes supplements those of the University and the College of Law. It is one of the best law libraries in the West—rich in materials for a comparative study of government and legislation in the different states. In the Historical Society's collections and the public archives at the state Capitol there is accessible a mine of source material for investigating state and local government and administration in Nebraska. When these resources prove inadequate in special investigations, desired books will be purchased or temporarily borrowed from other libraries.

The location of the University at the state capital gives special oppor-

tunities for personal observation and study of the actual problems and practical workings of state and municipal legislation and administration.

The Nebraska Legislative and Municipal Reference Bureau is now by act of the Nebraska legislature of 1911 affiliated with this department. Its library of several thousand books, pamphlets and clippings is on the campus and students are invited to make large use thereof. Several scholarships in research work for this bureau, worth from \$25 upwards, are open to capable students. University credit will be given for approved work under these scholarships.

Many valuable allied courses in economics, history, jurisprudence, and law are to be had in other departments.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **American National Government**—Introductory study of salient features in historical development, political structure, and actual workings of national, state, and local governments as parts of one whole. National government, first semester. Open to all students. Three hours attendance. Three hours credit. First and second semesters. Aylsworth

2. **American State Government**—Complement of course 1. Must be preceded by course 1 or its equivalent. State and local government in general is studied. Nebraska is used as an example of both federal and state relations, and state and local government. Open to all students. Three hours attendance. Three hours credit. First and second semesters. Aylsworth

5. **Social Origins**—A study of the early life of mankind as revealed in material remains, customs, institutions, and beliefs. A detailed treatment will be made of such subjects as the origin and growth of language, beginnings of writing, history of the alphabet, genesis and development of the arts of life, domestication of animals and plants, primitive science, including the calendar, primitive art, including music and poetry, educational systems and the condition of children, matrimonial institutions and the condition of women, origins of government and the state, secret and non-secret associations, rise of property and monetary systems, primitive trade, slavery, early law, and early morality. Primitive religion, discussed only incidentally in this course, is treated at length in its continuation, course 17. Lectures accompanied by a detailed reference syllabus. Three hours attendance. Three hours credit. Webster

6. **Social Origins**—5 continued. Second semester.

7. **Modern Social Betterment Movements**—Social settlements and their meaning for social reform; conservation of the public health thru campaigns against infant mortality, tuberculosis, etc; the fresh air movement and relief measures in great disasters; industrial betterment thru factory legislation, social insurance, and control of housing and recreation facilities; problems of child welfare including child labor, child idleness,

juvenile court and other reformatory agencies. Open to all students except freshmen. Three hours attendance. Three hours credit. First semester.

Williams

8. **Poverty and Dependence**—Causes and extent of poverty; various socially defeated classes; principles of prevention and relief; modern agencies, public and private, which care for dependents. Open to all students except freshmen. Three hours attendance. Three hours credit. Second semester.

Williams

9. **Nebraska History and Political Institutions**—Aboriginal inhabitants, their life, lands, customs and remains. Spanish, French and American exploration. Early trade, travel and settlement. Territorial organization, laws, and institutions. Statehood. The making of Nebraska Constitutions. Immigration, railroad building, industrial growth. The economic and political revolution. Religion, education and social life. Present problems and the New Nebraska. Bibliography of documentary and other sources of Nebraska history. Lantern slide views of historic scenes and persons. Open only to juniors and seniors; others by special arrangement. Two hours attendance. Two hours credit. First semester.

Sheldon

10. **Nebraska History and Political Institutions**—9 continued. Second semester.

FOR UNDERGRADUATES AND GRADUATES

11. **Party Government**—Organization and working of political parties in the United States. Growth of party system; the caucus and convention; the direct primary; the party committee "machine" and "boss"; legal control and responsibility of parties; campaign funds; origin and influence of third parties; relation of the "merit system," the initiative, referendum, recall and "short ballot" to party government; party control of legislation and administration. Lectures, readings and reports. Open to juniors, seniors, and students having credit for 1 and 2 or their equivalent. Three hours attendance. Three hours credit. First semester.

Aylsworth

12. **Municipal Government**—Organization and administration of city government in the United States. Growth of cities, municipal home rule, the municipal council and executive, the initiative, referendum and recall, the commission plan and the city manager plan of city government, city planning, taxation and finance, public health, safety and recreation, franchises and public utilities, the municipal ownership problem, etc. Lectures, readings and reports. Open to juniors, seniors and students having credit for 1 and 2 or their equivalent. Three hours attendance. Three hours credit. Second semester.

Aylsworth

13. **English Government and Politics**—A study of British political institutions in comparison with our own; the English constitution, the

monarchy, the cabinet, the Commons, and the Lords; political parties and party methods; the courts and judicial procedure; local government and administration; the colonial system; present day issues of constitutional reform and social legislation. Lectures, readings and reports. Open to juniors, seniors and students who have taken courses 1 and 2 or their equivalent. Three hours attendance. Three hours credit. First semester.

Aylsworth

14. **Comparative Government**—The national political systems of selected modern states, especially France, Germany and Switzerland. Constitutional beginnings and growth, governmental organization, legislative and administrative methods, the judicial system, present-day political parties and issues. Lectures, readings and reports. Open to juniors, seniors and students having credit for courses 1 and 2 or their equivalent. Three hours attendance. Three hours credit. Second semester.

Aylsworth

[15. **General Sociology**—Principles of social science. For third and fourth year students and graduates. Three hours attendance. Three hours credit. First semester. *Given in 1918-1919.* Howard]

[17. **Problems in Social Psychology and Ethics**—Chief psychic factors in social evolution. Laws of suggestion, mob-mind, and imitation; "craze," "fad," and sect; fashion, conventionality, custom, and tradition; leadership, genius, hero-worship, rôle of great men; social conflict, compromise, discussion, free speech, free press, public opinion; social sins, standards of private and social ethics. Theories of Le Bon, Tarde, Sidis, Ward, and Ross. For third year and more advanced students. Two hours attendance. Two hours credit. First semester. *Given in 1918-1919.* Howard]

19. **Primitive Religion**—An anthropological and sociological investigation, from the comparative standpoint, of the evolution of religious beliefs and rites. The subjects naturally treated in such a course are animism, or notions of the soul, the future life, and the other world, fetishism, idolatry, worship of natural objects, animals, and plants, totemism, ancestor-worship, the cult of the dead and demonism, genesis and development of the idea of God, including polytheism, dualism, and monotheism, magic, together with divination and exorcism, taboo and the ritual of purification, origin and diffusion of myths, sacrifice and prayer, sacred days and festivals, religious mysteries, and priesthoods. Such topics as the classification of religions, connections between religion and morality, factors in the development of religion, etc., receive attention. Lectures accompanied by a reference syllabus. Three hours attendance. Three hours credit. First semester.

Webster

20. **Primitive Religion**—19 continued. Second semester.

21. **Immigration**—General causes and conditions controlling migration; history of immigration to the United States and legislation concern-

ing; American policy compared with the policies of other countries; naturalization laws; economic, political, and social effects of immigration to America; social processes and principles involved, as segregation, stratification, assimilation; remedies needed and agencies at work. Open to third year and more advanced students. Two hours attendance. Two hours credit. First semester. Williams

22. **Immigration**—Immigrant groups in the United States; sources; causes and dates of immigration; distribution; conventional attitude of Americans toward; influence on American history and social life; problems peculiar to the various nationalities. Foreign elements in Nebraska; their history and influence upon the state. Open to third year and more advanced students. Two hours attendance. Two hours credit. Second semester. Williams

23. **Socialization of Education**—A discussion of the sociological aspects of education and of the training necessary to prepare the child to meet the social relations of life. Modern movements in the schools looking toward this aim of education including industrial education, vocational guidance, medical inspection, playground movement, vacation schools, and provisions for the care of special classes of pupils. Open to third year and more advanced students. Two hours attendance. Two hours credit. First semester. Williams

24. **Socialization of Religion**—A discussion of the nature and function of religion as an element of the social process, and a comparison of the leading religions as to social content. Demands upon the modern church and its adaptation of architecture and program of activities to meet such; institutional features of church work; social results of missions, especially in foreign lands. Open to third year and more advanced students. Two hours attendance. Two hours credit. Second semester. Williams

[25. **The Family**—The history of matrimonial institutions with a study of some of the more important problems, connected with the family life. Open to third year and more advanced students. Three hours attendance. Three hours credit. First semester. *Given in 1918-1919.* Howard]

27. **Parliamentary Law and Practice**—Designed to give students training in the rules and practices of deliberative bodies. Open to juniors, seniors and those having taken courses 1 and 2. Three or four hours attendance. Two hours credit. First semester.

29. **Government of Nebraska**—A study of the organization and administration of state and local government; political and constitutional development; the legislature and legislation; the judicial system and judicial administration; governor and administrative system; institutional administration; local, county, and municipal government. Lectures, readings, reports. Open to second year and more advanced students. Three hours attendance. Three hours credit. First semester.

Aylsworth

30. **County and Township Government**—A general study of the origin and development of local government and administration in the United States, followed by a special study of the organization, actual workings, and present problems of county and township government in Nebraska. Open to juniors, seniors and those having taken courses 1 and 2. May be made a three hour course by arrangement. Two hours attendance. Two hours credit. Second semester.

31. **State and Local Administration**—A study of administrative organization and activities in the different states; the governor and other state administrative officers; administrative significance of the short ballot, the departments of education, health, insurance, public lands, etc.; growth and influence of state boards and commissions; state civil service reform; centralization in state administration; state control of county, township, and municipal administration. Open to juniors, seniors and to students having taken courses 1 and 2 or their equivalent. Two hours attendance. Two hours credit. First semester.

Alysworth

32. **Judicial Administration**—A study of our American judiciary, the system of courts, federal and state, their organization and jurisdiction, unique position in the political system, movements to curb power and increase the responsibility of the judiciary, methods of procedure, civil and criminal, the jury system, defects and suggested reforms in judicial organization and administration. Open to juniors, seniors and students having taken courses 1 and 2 or their equivalent. May be made a three hour course. Two hours attendance. Two hours credit. Second semester.

Alysworth

33. **Practical Legislation: Nebraska Problems**—Introductory study of Nebraska's historical development, social, political, constitutional. Present problems in Nebraska law-making and administration. Subject-matter and methods of legislation. Drafting and criticism of legislative bills and information briefs in co-operation with Nebraska Legislative Reference Department. Practice work at state house during legislative session, January to April of odd numbered years. Two hours attendance. Two hours credit. First semester. Credited in the College of Law.

Sheldon

34. **Practical Legislation: Nebraska Problems**—33 continued. Second semester.

33a. **Seminar on Nebraska History, Politics and Economics**—Combined research seminar of the departments of American History and Political Science and Sociology. General subject for 1917-1918 will be the earlier periods of Nebraska; special assignments may be made upon any phase of Nebraska's development if desirable and convenient. Open to advanced undergraduates on consultation with instructors, and to graduates. Two hours attendance. Two hours credit. May be registered for in either of the two departments. Given every year. First semester.

Caldwell, Sheldon

34a. **Seminar on Nebraska History, Politics and Economics**—33a continued. Second semester.

35. **Folklore**—An examination of those systems of belief and conduct, which, inherited from prehistoric and primitive culture, have survived into modern civilization. After preliminary lectures on the study and classification of folklore, the subject is discussed under the following heads: 1. Folk-faith: Animism; magic; myth. 2. Folk-literature: Folk-tales, their origin, diffusion, and interpretation; fables; folk-songs, including ballads and children's rhymes; folk-epics, notably those of Celtic and Teutonic peoples; folk-plays, including mimes, mummers' plays, and mystery plays, folk-sayings, including proverbs and riddles. 3. Folk-custom: Ceremonial forms and observances; rules of politeness and salutations; birth, puberty, marriage, and death rites; popular festivals, especially the festivals of the Christian year; children's games; games of chance. 4. Folk-superstition: Folk-medicine; sacred numbers; symbols; lucky and unlucky days; animal lore and plant lore. These several topics are treated with special reference to the beginnings of religion, law, and morality. The course should prove of special importance to teachers and to others interested in the study of childhood. Lectures accompanied by a reference syllabus. Two hours attendance. Two hours credit. First semester. Webster

36. **Folklore**—35 continued. Second semester.

[37. **Principles of Political Science**—The scope and methods of political science, the nature and origin of the state, forms of state and government, sovereignty, functions of the state, citizenship and nationality, modern principles of representation, suffrage, and governmental organization. Open to seniors and graduates. Two hours attendance. Two hours credit. First semester. *Not given in 1917-1918.* Aylsworth]

[38. **History of Political Theories**—The development of ancient medieval and modern political thought in its relation to political history; political theories of Aristotle, Aquinas, Machiavelli, Bodin, Grotius, Hooker, Hobbes, Locke, Montesquieu, Rousseau, Burke and others. Open to seniors and graduates. Two hours attendance. Two hours credit. Second semester. *Not given in 1917-1918.* Aylsworth]

39. **Training Course for Social Service**—The aim of this course is to direct those desiring to enter some field of social service—both in their choice of work, if undecided, and in their preparation. In addition to instruction in methods of investigation and the use of statistical material, the laboratory method will be employed in so far as practicable; and when desired, various opportunities for social service will be provided students in their particular fields, under the direction of the instructor. Open to seniors and graduates. Two hours attendance. Two hours credit. First semester. Williams

40. **Training Course for Social Service**—39 continued. Second semester.

41. **Theory and Practice of Legislation**—A study of the structure, organization, and methods of procedure of legislative bodies, and the drafting of legislative bills. Open only to juniors, seniors or those having taken courses 1 and 2, except by special consent. May be made a three hour course by arrangement. Two hours attendance. Two hours credit. First semester.

42. **Theory and Practice of Legislation**—41 continued. Second semester.

43. **Readings in Political Science**—With the advice and consent of the Department, special reading courses in Political Science may be arranged to meet the special needs of undergraduate or graduate students. Credit according to work done. First semester. Aylsworth

44. **Readings in Political Science**—43 continued. Second semester.

PRIMARILY FOR GRADUATES

47. **Seminar on American Politics and Government**—The subject of investigation will vary from year to year. For 1917-1918 the general subject will be that of State Administration in its different phases and with special reference to Nebraska. Primarily for graduates, but by consent other specially qualified students may be admitted. One two-hour (evening) session each week. Two hours credit. First semester. Aylsworth

48. **Seminar on American Politics and Government**—47 continued. Second semester.

[49. **Seminar on the Family**—Mother-right, father-right, polygyny, polyandry, wife-capture, wife-purchase, theories as to genesis of matrimonial institutions; divorce, marriage, birth-rate, "race-suicide," legislation and sex-education in the reform movement; intellectual and industrial liberation of women; co-education; problems of marriage, the home, and the family. Primarily for graduates. By consent a limited number of other specially qualified students may be admitted. One two-hour (evening) session each week. Two hours credit. Second semester. *Given in 1918-1919.* Howard]

53. **Research Course in Social Anthropology**—Students who desire to undertake special investigations in the field of social anthropology will be guided in the selection of subjects, the use of the appropriate literature, and the preparation of their researches in shape for publication. The University Library contains sets of all the important periodicals devoted to anthropology, as well as a good collection of works of travel and other source material. This course is limited in numbers, and intending students, before registration, should first consult the instructor in charge. One hour a week for conference. One hour credit. First semester. Webster

54. **Research Course in Social Anthropology**—53 continued. Second semester.

RHETORIC

Professor Frye (*Head of Department*), Professor Fogg, Professor Buck,
Associate Professor Gass, Assistant Professor McPhee, Assistant
Professor Davis, Instructor Babbitt, Assistant Instructor
Wimberly

GENERAL INFORMATION

It is the aim of the Department to further a systematic understanding of the principles of English Composition and to cultivate correct habits of speaking and writing the English language. To this end all courses insist upon constant exercise in expression and upon frequent consultations with the instructors in addition to the regular classroom discussions and recitations. At the same time emphasis is laid, as far as possible, upon outside reading and study in illustration of the methods, and in preparation of the materials of rhetorical practice.

ELECTION OF COURSES

Before the student proceeds to elective work, he must have completed courses 1 and 2 as a prerequisite. A student electing advanced work in rhetoric will find it advantageous to carry courses in English literature in connection, if he is not doing so already. Students intending to elect work in debate should take courses 13 and 14 in their sophomore year. Such students are also recommended to acquaint themselves with those subjects from which questions for debate are usually drawn—American history, European history, jurisprudence and public law, philosophy, political economy and commerce, and political science and sociology.

UNIVERSITY TEACHERS' CERTIFICATE

Because of the need of preparation in both Rhetoric and English Literature for certificated teachers, no majors or minors are offered or accepted in either subject singly. A combined major or a combined minor is provided for such as are preparing to teach English in secondary grades. The combined major embraces courses 3, 4, 7, 8 in Rhetoric and courses 1, 2, 11, 12 in Literature. The combined minor includes course 7 in Rhetoric and course 1 in Literature. But with each major or minor, courses 17, 18 in English Literature must be taken as fundamental in either subject.

Candidates who intend to teach debate may make arrangements to substitute courses 13 and 14 for 7 and 8. Candidates should notify the department of their candidacy by the beginning of their sophomore year.

GRADUATE WORK

The department offers two lines of graduate work—Composition: On application students may arrange for rhetorical work in connection with English Literature leading to the Master's degree; Criticism: Students may also arrange for critical work in two or more languages, leading to the Master's or Doctor's degree.

COURSES PRIMARILY FOR UNDERGRADUATES
REQUIRED

1. **Rhetoric and English Composition**—Instruction and practice in elementary composition. Themes, conferences. Two hours attendance. Two hours credit. First and second semesters.

Frye, Buck, Gass, McPhee, Davis

2. **Rhetoric and English Composition**—1 continued. First and second semesters.

Courses 1 and 2 are required of all freshmen in the College of Arts and Sciences, the College of Agriculture, and the College of Engineering.

Rhetoric A (formerly 1a)—A practical course in writing intended chiefly for primary teachers. Two hours credit. First semester. Buck

1a. **English Composition**—Expository writing and kindred forms of expression. Three hours attendance. Three hours credit. First semester.

2a. **English Composition**—1a continued. Second semester.

Courses 1a and 2a are required of all sophomores in the College of Agriculture.

ELECTIVE

3. **English Composition**—1, 2 continued. Practice in general expression. Intended to give the student some control over his own thought and some facility in its presentation. Two hours attendance. Two hours credit. First semester.

Frye, McPhee

4. **English Composition**—3 continued. Second semester.

5. **English Composition**—Practice in general expression like course 3, intended for students wishing an additional hour's work. Three hours attendance. Three hours credit. First semester.

Frye

6. **English Composition**—5 continued. Second semester.

25. **Narration**—Practical course in prose narrative writing. Admission by consent of instructor. Two hours attendance. Two hours credit. First semester.

Buck

26. **Narration**—25 continued with special attention to the short story. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

7. **English Composition**—Advanced course. Theory of English composition. Studies in the organization of literary material. Daily and

fortnightly themes. Two hours attendance. Three hours credit. First semester. Frye

8. **English Composition**—7 continued. Critical studies in style and structure. Readings and reports to illustrate the principles of English prose literature. Daily and fortnightly themes. Two hours attendance. Three hours credit. Second semester. Frye

9. **Writers' Course**—Intended for advanced students who wish to improve their writing in connection with some particular subject of study or inquiry. No classes; themes, criticism and conferences. The student is expected to propose a subject, to prepare a theme, and to submit it to the instructor for criticism and advice with a view to revision and improvement. Two hours credit. First semester. Frye

10. **Writers' Course**—9 continued. Second semester.

11. **The History of Rhetoric**—A reading course in the history of rhetorical theory. Two hours attendance. Two hours credit. First semester. Gass

13. **Argumentative Composition**—Practical application of the principles of argumentation-analysis, evidence, structure (brief-drawing) the rhetoric of argument. The course centers in convincingness of matter and in precision and lucidity of statement. Lectures, briefs and arguments on questions of general or college interest or from the students' work in other departments. Two hours attendance. Three hours credit. First semester. Fogg and Assistants

14. **Argumentative Composition**—13 continued. While continuing drill in conviction, this course supplements 13 by stressing persuasion—adaptation of material to specific conditions—and vigor and ease of statement. Ethics of discussion. Lectures, readings, briefs and arguments. A thesis, for which 13 is direct preparation, may be substituted for shorter arguments. Two hours attendance. Three hours credit. Fogg and Assistants

15. **Debate**—Principles of convincing and persuasive argumentative composition applied under the conditions of oral discussion. Lectures on rhetorical style for oral presentation; debates, preceded by briefs and criticised before the class, on economic, historical, political and sociological questions. Open to those who have completed 13 and to others by consent of the instructor. Membership limited to twenty. Two consecutive hours attendance. Three hours credit. First semester. Fogg

16. **Debate**—15 continued. Open to those who have completed 13 or 15 and to others by consent of the instructor. Second semester.

[17. **Debate**—Further study of evidence and of structure and style in forensic discourse. Analysis of certain English and American political debates. Debates preceded by briefs and conferences. Open to those who have completed 15 and 16 and to others by consent of the instructor.

Membership limited to sixteen. Two hours attendance. Three hours credit. First semester. *Not given in 1917-1918.* [Fogg]

[18. **Debate**—17 continued. Second semester. *Not given in 1917-1918.*]

[19. **Composition of the Public Address**—Training in the composition of the public address not strictly argumentative—chiefly forms of the occasional address. Persuasion and literary style. Study of work of Lincoln, Phillips, Curtis, and certain contemporary public speakers. Two hours attendance. Three hours credit. First semester. *Not given in 1917-1918.* [Fogg]

[20. **Composition of the Public Address**—19 continued. Second semester. *Not given in 1917-1918.*]

22. **Argumentation and Debate Seminary**—An intensive study in connection with the investigation of a question of current public interest, of analysis, testimonial evidence, the kinds of arguments and fallacies, brief-drawing, rebuttal, the rhetorical principles governing effective written and oral statement. Use of books of reference; the gathering and classifying of material; round table discussion of members' reports. Admission by competitive appointment. Membership limited to sixteen. Two or three hours credit. First semester. [Fogg]

29. **The Nineteenth Century Essay**—Principles of English composition as illustrated by selected works of masters of modern English prose—Jeffrey, Hazlitt, Macaulay, Lamb, DeQuincy, Carlyle, Ruskin, Arnold, Newman, and Stevenson. Frequent themes; personal criticism. Prerequisite: Courses 1, 2. Two hours attendance. Two hours credit. First semester. [Fogg]

30. **The Nineteenth Century Essay**—29 continued. Second semester.

32. **The Teaching of Rhetoric and English Composition**—Teachers' Course. Aims and methods of secondary-school instruction in rhetoric and English composition. General principles of composition. Discussion of text-books; themes. The management of theme courses. Practice in correcting themes. Open to juniors, seniors, and graduates. One hour lecture; three hours reading and observation. Two hours credit. Second semester. [Frye, Fogg]

33. **Comparative Criticism**—A comparative study of the leading social ideas in the works of representative writers in France, Germany, and England during the latter eighteenth and early nineteenth century. Frequent reports and conferences. Intended to give the student some notion of the social ideas in literature as a foundation for its critical appreciation. A reading knowledge of French is indispensable. Admission by consent of the instructor. Two hours lectures. Two hours credit. [Buck]

33a. **Comparative Criticism**—A comparative study of the leading ideas in the work of representative authors of today in America, England, France and Germany, with the criticism of certain general tendencies,

such as naturalism, symbolism, etc. Mainly a reading course, controlled by reports, critiques, and lectures. Two hours attendance. Two hours credit. Buck

34. **Comparative Criticism**—A comparative study of the drama—Greek, Spanish, French, and English. Mainly a reading course, controlled by reports, critiques, and lectures. Intended to give the students some sort of foundation for the critical appreciation of literature. A reading knowledge of French is indispensable. Admission by consent of the instructor. Two hours attendance. Three hours credit. Frye

41. **Public Speaking**—Intended especially for students who wish to prepare themselves for public speaking—debate and other forms of public address. Its object is to assist the student in acquiring an effective oral style, forceful, direct, simple. Text-book, individual drill. Special attention to voice and gesture. Practice in various forms of extemporaneous speaking. Critical work in the delivery of one original oration each semester. Admission by consent of the instructor. Two hours attendance. Two hours credit. First semester. Davis

42. **Public Speaking**—41 continued. Second semester.

41a. **Advanced Public Speaking**—Continued application of the theory studied in courses 41, 42. Impromptu speeches, banquets, speeches for special occasions. Arrangement and presentation of ideas related to the vocations the students expect to follow after leaving college. Prerequisite: Courses 41, 42. Admission by consent of instructor. Davis

42a. **Advanced Public Speaking**—41a continued. Second semester.

JOURNALISM

In charge of Professor Fogg

43. **News Writing**—Practical training in newspaper technique. Study of the structure and the style of journalistic narrative, of news values, and of kinds of news "stories." Lectures, readings, "covering" actual news events, examination of representative newspapers on file. Two hours attendance. Two hours credit. First semester. Fogg

44. **News Writing**—43 continued. Second semester.

24a. **Newspaper Editorial and Special Article**—One hour recitation. One hour conference. Two hours credit. First semester. Gass

24b. **Magazine Exposition**—24a continued. Second semester.

45. **Newspaper Editing**—Practice in handling copy (including telegraph news): Editing, rewriting, headline writing, proof-reading. Discussion of methods of presenting the news. Problems and policies: Organization, the country newspaper, relation of the press to the public, journalistic ethics, law of libel. Lectures, readings, comparative study of newspapers on file. Two hours attendance. Two hours credit. First semester. Fogg

46. **Newspaper Editing**—45 continued. Second semester.
- [47. **History of Journalism**—First semester. *Not given in 1917-1918.* Fogg]
- [48. **History of Journalism**—47 continued. Second semester. *Not given in 1917-1918.*]

ROMAN HISTORY AND LITERATURE

Professor Barber (*Head of Department*), Associate Professor Sanford,
Assistant Professor Hunter

The instruction aims to impart an understanding of the principles of the language thru a study of its development and wide reading in the literature. The intention is to lead the student to build up his grammatical knowledge and to master the laws of the language from his own reading.

The instruction is not confined to linguistic and literary lines solely. The character and institutions of the Roman people are also studied with the view of leading students to an understanding of ancient Roman civilization and its bearing on modern life.

The required courses for the University Teachers' Certificate in Latin as a major are 9, 10, 11, 12, 17, 18 and 19. Equivalent work in the department may be substituted for 17 and 18 upon consultation with the head. The courses required for a minor are 9, 10, 11, 19, and additional work assigned by the head of the department. The above courses must be preceded by the four years high school preparation, including composition (one period per week during the second and third years) and a thoro drill in the grammar. Students found to be defective in preparation may be required to take courses 7 and 8 in addition to the above.

Persons expecting to teach Latin should, on entering the University, consult the head of the department. It has been found that the combination of two subjects most called for in the high schools is Latin and German. By consulting the heads of these departments in advance a much more advantageous selection of studies can be made than if attempted later.

In connection with this department is maintained a Latin Club of advanced students elected on the basis of scholarship and interest in the subject. Monthly meetings are held devoted to the reading of papers, choice passages of Roman literature, discussions, and Latin conversation. Eighty per cent of the dues are set aside for the purchase of some permanent memorial for the department.

MASTER OF ARTS

Candidates for advanced degrees must have completed courses 9, 10, 11, and 12, or their equivalents. Graduate study should include courses 17, 18, 19, 23, and 24, after which subjects may be selected from any courses open to graduates. The basis of requirement is as follows:

Second Minor: Three hours of classroom work for one year.

First Minor: Six hours of classroom work for one year.

Major: Six hours of classroom work and the equivalent of four hours in the preparation of a thesis.

Complete Course: Nine hours of classroom work and the equivalent of six hours in the preparation of a thesis.

Theses may be prepared on any of the following subjects: The satirists, the Roman drama, Roman history, Roman oratory, elegiac poetry, poetry of the empire, prose of the republic, prose of the empire, sermo, plebeius, patristic literature. By special arrangement a thesis may be prepared on some question of syntax covering the whole literature.

COURSES FOR UNDERGRADUATES

It is expected that students completing courses 1, 2, 3, and 4 will cover three years high-school work and be prepared to read Vergil.

1. **Beginning Course**—Learning of the forms. Drill in elementary syntax. Five hours attendance. Five hours credit. First semester.

Sanford

2. **Beginning Course**—1 continued. Drill in forms and syntax continued. Connected readings of selected Latin authors. Caesar begun. Five hours attendance. Five hours credit. Second semester. Sanford

3. **Second Year Latin**—Reading of Latin authors, as Caesar and Cicero. Drill in syntax. Composition. Five hours attendance. Five hours credit. First semester.

Hunter

4. **Second Year Latin**—3 continued. Second semester.

To enter course 3a the student must have read four books of Caesar with Latin composition.

3a. **Cicero**—Three orations; Latin composition, drill in syntax. Study of oratory in Roman public life. Three hours attendance. Three hours credit. First semester.

Hunter

4a. **Cicero**—3a continued. Second semester.

5. **Vergil**—Three books of the *Aeneid*. Drill in prosody, case and verb construction, and poetic expressions. Five hours attendance. Five hours credit. First semester.

Hunter

6. **Vergil**—Three books of the *Aeneid*. Selections from Ovid. Drill as in 5. Metrical reading of hexameters at sight. Practical examination of tense uses. Literary art of Vergil. Five hours attendance. Five hours credit. Second semester.

Hunter

7. **Practical Course in Latin Syntax**—Practical drill in the principles of Latin syntax, preparatory to rapid and accurate reading. Two hours attendance. Two hours credit.

Hunter

8. **Practical Course in Latin Syntax**—7 continued. Special practice in translating long paragraphs of connected discourse.

9. **Cicero**—*De Senectute* with Latin composition. Drill in the syntax of modes and tenses; special attention to the classification of subordinate clauses. Livy begun. Five hours attendance. Five hours credit. First semester. Barber, Hunter

10. **Livy**—Books XXI and XXII. Practice in sight reading. Study of moods and tenses and subordinate clauses continued. Five hours attendance. Five hours credit. Second semester. Barber, Hunter

11. **Horace**—Selected Odes, Epodes, Satires, Epistles and *Ars Poetica*. A few passages memorized; occasional summaries; a brief view of social life in Horace's time, prosody. Four hours attendance. Four hours credit. First semester. Sanford

12. **Plautus and Terence**—*Captivi* and *Adelphoe*. A brief introduction to Roman drama; prosody. Tacitus' *Agricola* and *Germania*. Four hours attendance. Four hours credit. Second semester. Sanford

13. **Teachers' Course**—Lectures on methods of teaching Latin and on subject matter often overlooked. Courses 13 and 14 may be taken in lieu of two hours in general methods in the department of Education. One hour attendance. One hour credit. First semester. Sanford

14. **Teachers' Course**—13 continued. Second semester.

15. **Roman Philosophy**—A reading course, with lectures. Selections from Cicero, as *de Natura Deorum*, *de Divinatione*, *de Re Publica*, *de Legibus*. Two hours attendance. Two hours credit. First semester. Hunter

16. **Roman Philosophy**—15 continued. Second semester.

17. **Suetonius**—Lives of Julius and Augustus Caesar. Sight reading. Talks upon Roman life. Papers by the class. Two hours attendance. Two hours credit. First semester. Barber

18. **Pliny and Juvenal**—Selected letters. Selected satires. Reading from hearing. Collateral readings on Roman social life. Two hours attendance. Two hours credit. Second semester. Barber

19. **Roman Archaeology**—On public works the following are some of the subjects treated: Amphitheatres, aqueducts, arches, architecture, basilicas, bath-houses, building materials, catacombs, circi, columns, fortifications, fora, methods of building, roads, sewers, temples, theatres, walls, war implements. The following subjects bearing on the public and private life of the Romans are treated: Dress and ornaments, household furniture, kitchen utensils, museums, manuscripts, pottery and vases, public buildings, private houses, sculpture, Vesuvius, Pompeii, Herculaneum, wall decorations. Lectures illustrated with lantern slides. Papers are required of students on specially assigned topics. Not open to freshmen. Two hours attendance. Two hours credit. First semester. Barber

20. **Roman Law**—Reading of selections from the public and private law of the Romans. Lectures on the origin, development and principles

of Roman law. Two hours attendance. Two hours credit. Second semester. Barber

21. **Cicero's Letters**—Selections arranged to throw light upon life and time of Cicero. Two hours attendance. Two hours credit. First semester. Sanford

22. **Cicero**—Tusculan Disputations. Book I is studied with reference to Roman ideas of immortality. Selections from Lucretius, Seneca, and Buecheler's *Carmina Latina Epigraphica*. Two hours attendance. Two hours credit. Second semester. Sanford

23. **Composition**—A brief, illustrated review of the syntax of noun and verb, followed by practice in connected Latin writing. One hour attendance. One hour credit. First semester. Sanford

24. **Composition**—23 continued. Second semester.

25. **Latin Grammar**—An elementary course in historical development of Latin moods. Tenses. Pronunciation. Lectures. One hour attendance. One hour credit. First semester. Barber

26. **Latin Grammar**—25 continued. Second semester.

27. **History of Roman Literature**—Lectures, with selections from representative authors. Open to juniors and seniors only. Two hours attendance. Two hours credit. First semester. Sanford

28. **Roman History**—From the earliest times thru the early Empire. Primarily for those preparing to teach Latin in secondary schools—open to juniors and seniors only. Text-books. Lecture. Three hours attendance. Three hours credit. Second semester. Sanford

29. **Latin Morphology**—Latin in its relation to the other languages of the Aryan group. Sounds and their combinations, accent, and principles of word formation and derivation. Survey of the laws of linguistic growth and change as illustrated in Latin. Lectures and readings. One hour attendance. One hour credit. First semester. Hunter

30. **Latin Morphology**—29 continued with historical study of the development of Latin. Second semester.

In addition to the above courses, others are given as occasion demands in the literature both of the Republic and Empire, in Roman history and Epigraphy.

The authors presented in these courses are Plautus, Terence, Catullus, Cicero (Philosophical and Rhetorical works), Vergil (portions of books not usually familiar to American students), Tibullus, Propertius, Ovid, Seneca, Quintilian, Tacitus, Martial.

In Roman history intensive study of brief periods is made.

In Epigraphy the aim is to train students to handle inscriptional materials for historical and other purposes.

COURSES PRIMARILY FOR GRADUATES

31. **Lucretius**—Books I and III, with an examination in modal uses of the remaining books. Two hours attendance. Two hours credit. First semester. Barber

32. **Cicero—de Oratore**—Book I, with an examination into modal uses in Cicero's essay. Two hours attendance. Two hours credit. Second semester. Barber

ROMANCE LANGUAGES AND LITERATURES

Professor Conklin (*Head of Department*), Associate Professor Reese, Instructors Hanley, Maynard, Clifford, Thomes; Assistants Taylor, Apperson

General undergraduate work enables the student to read with accuracy and appreciation.

Special undergraduate work provides for literary study and practice in writing and speaking.

For the University Teachers' Certificate the following courses, or equivalents, are required: Major, courses 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, and 51, 52; minor, courses 1 to 14 inclusive. At least six semesters of strong work in the high school or three semesters in the University are required before specialization is begun.

REQUIREMENTS FOR MASTER OF ARTS

For graduate study in Romance language at least three years of French are necessary. For the courses in the following groups equivalents are accepted:

Philological Group—Second Minor: Old French, historical French grammar, Italian, or Spanish. First Minor: Requirements for second minor and further study of Old French and of Italian or Spanish. Major: Old French, historical French grammar, Italian and Spanish, advanced course in either Italian or Spanish, Romance phonetics.

Literary Group—Second Minor: Studies of different periods in French literature, Italian or Spanish and Old French. First Minor: Studies of different periods in French literature, Italian and Spanish, or advanced course in Italian or Spanish and Old French. Major: French writing and speaking; studies of different periods in French literature; Italian and Spanish, advanced course in either Italian or Spanish; Old French, historical French grammar, special readings.

COURSES PRIMARILY FOR UNDERGRADUATES

French

1. **Beginning French**—Introductory course. Five hours attendance. Five hours credit. First and second semesters.
Conklin, Reese, Hanley, Maynard, Taylor, Apperson
2. **Beginning French**—1 continued. First and second semesters.
3. **French**—Second-year course. Modern reading. Three hours attendance. Three hours credit. First semester.
Conklin, Reese, Hanley, Maynard, Apperson
- 3a. **French**—2 continued. Five hours attendance. Five hours credit. Second semester.
4. **French**—3 continued. Second semester.
5. **French Writing and Speaking**—Recommended with 3. Two hours attendance. Two hours credit. First semester.
Conklin, Hanley
6. **French Writing and Speaking**—5 continued. Recommended with 4. Second semester.
7. **Classical Authors**—One hour attendance. One hour credit. First semester.
Reese
8. **Classical Authors**—7 continued. Second semester.
9. **Romantic School**—Two hours attendance. Two hours credit. First semester.
Reese, Hanley
10. **Romantic School**—9 continued. Second semester.
11. **French Writing and Speaking**—Advanced course (Teachers course). Two hours attendance. Two hours credit. First semester.
Conklin
12. **French Writing and Speaking**—11 continued. Second semester.
- 11a. **French Writing and Speaking**—12 continued. One hour attendance. One hour credit. First semester.
Conklin
- 12a. **French Writing and Speaking**—11a continued. Second semester.
13. **Modern French Drama and Novel**—One hour credit. First semester.
14. **Modern French Drama and Novel**—13 continued. Second semester.
23. **Learning French Plays**—One hour attendance. One hour credit.

¹Open to strong students with at least two years French. Consultation with head of department before registration.

Spanish

31. **Beginning Spanish**—Introductory course. Five hours attendance. Five hours credit. First and second semesters.
Conklin, Reese, Clifford, Thomes, Taylor
32. **Spanish**—31 continued. First and second semesters.
33. **Spanish**—Second year course. Modern reading. Three hours attendance. Three hours credit. First semester.
Reese, Clifford, Thomes
- 33a. **Spanish**—32 continued. Five hours attendance. Five hours credit. Second semester.
34. **Spanish**—33 continued. Second semester.
35. **Spanish**—Writing and Speaking. Two hours attendance. Two hours credit. First semester.
Conklin, Reese
36. **Spanish**—Writing and Speaking—35 continued. Second semester.
37. **Spanish**—Third year. Three hours attendance. Three hours credit. First semester.
Reese
38. **Spanish**—37 continued. Second semester.
39. **Spanish—Fourth year**—Two hours attendance. Two hours credit. First semester.
Conklin, Reese
40. **Spanish—Fourth year**—39 continued. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

French

15. **Studies of Different Periods in French Literature**—Prerequisite: Courses 7, 8, 9, 10, or equivalent work. Two hours attendance. Two hours credit. First semester.
Conklin, Reese
16. **Studies of Different Periods in French Literature**—15 continued. Second semester.
17. **French Literature**—16 continued. First semester.
18. **French Literature**—17 continued. Second semester.

Italian

41. **Beginning Italian**—Introductory course. Three hours attendance. Three hours credit. First semester.
Hanley
42. **Italian**—41 continued. Second semester.
43. **Italian**—Second year course. Two hours attendance. Two hours credit. First semester.
Hanley
44. **Italian**—43 continued. Second semester.

COURSES PRIMARILY FOR GRADUATES

French

51. **Old French**—Grammar and reading. Two hours attendance. Two hours credit. First semester. Conklin
52. **Old French**—51 continued. Second semester.
55. **French Philology** Historical French grammar, phonetical analysis of French words. One hour attendance. One hour credit. First semester. Conklin
56. **French Philology**—55 continued. Second semester.

Romance Phonetics

65. **Comparative Phonetics of Italian, Spanish, French and Provençal**—One hour attendance. One hour credit. First semester. Conklin
66. **Comparative Phonetics of Italian, Spanish, French and Provençal**—65 continued. Second semester.

SANSKRIT AND COMPARATIVE PHILOLOGY

(See "Greek History and Literature.")

SLAVONIC LANGUAGES AND LITERATURES

Professor Hrbkova (*Head of Department*)

1. **Beginners' Course**—Grammar, vocabulary, exercises, word structure. Selections from Reader. Five hours attendance. Five hours credit. First semester.
2. **Beginners' Course**—1 continued. Grammar continued. Conversation. "Staré Pověsti" by Jirásek, "Babička" by Božena Němcová, "Pod Dutým Stromem" by Hálek. Five hours attendance. Five hours credit. Second semester.
3. **Bohemian Literature**—Reading and interpretation of Erben's "Kytice Pověstí," Neruda's "Povídky," Havlíček's "Tyrolské Elegie" and "Epigramy." Three hours attendance. Three hours credit. First semester. *Not given in 1917-1918.*
4. **Bohemian Literature**—3 continued. Reading and interpretation of Jirásek's "Filosofská Historie," Hálek's "Básně," "Divá Bára" by Němcová. Three hours attendance. Three hours credit. First semester. *Not given in 1917-1918.*
5. **Bohemian Literature**—Svatopluk Čech's "Jestřáb contra Hrdlička," Písň Otroka," "Lešetinský Kovář," Kollár's "Slávy Dcera," "Malá Slovesnost." One to three hours attendance. One to three hours credit. First semester.

6. **Bohemian Literature**—5 continued. Study of dramatic writings of Tyl, Klicpera, Šubert, Šamberk, Vrchlický. One to three hours attendance. One to three hours credit. Second semester.

7. **Short Story Course**—Reading and reports. Authors considered: Čech, Machar, Klecanda, Němcová, Třebízský, Neruda. Two hours attendance. Two hours credit. First semester.

8. **Short Story Course**—7 continued. Modern Bohemian, Russian, and Polish writers. The structure of the short story. Composition. Two hours attendance. Two hours credit. Second semester.

9. **Conversation**—Classroom exercises in Bohemian. Idiomatic and colloquial expressions. Review of grammar. Prerequisite: Bohemian 1 and 2 or satisfactory equivalent. Two hours attendance. Two hours credit. First semester.

10. **Conversation**—9 continued. Practice in everyday Bohemian. Composition. Two hours attendance. Two hours credit. Second semester.

11. **Slavic Life**—A lecture course in English on Slavic Life. Illustrated by 1,200 lantern slides covering subjects of history, customs, homes, occupations, costumes, amusements, child life, architecture, development of the arts and industries, social and educational ideals among the Slavic nations. One hour attendance. One hour credit. First and second semesters.

12. **Immigration**—A general view of the problem of the immigrant with special reference to the Slav. Sources and causes of emigration, racial, economic, political and social effects of immigration; assimilative forces at work; distribution of immigrants; character of recent immigration; restrictive and non-restrictive measures; proposed solutions of the problem. Two hours attendance. Two hours credit. Second semester.

13-14. **History of Slavic Literature**—From the earliest times to the modern period. Consideration and discussion of Slavic writers and their chief works. Two hours attendance. Two hours credit. First and second semesters.

15. **Teachers' Course**—A special course in methods of teaching Bohemian. Assigned readings, reports, lectures, model teaching. A thoro review of the grammar and general summary of literature. Preparation of outlines for teaching. A survey of text-books used in teaching Bohemian. Suggestive helps and plans. Prerequisite: Satisfactory work in courses 1, 2, 7, 8, 9, 10, 11 or their equivalent. Two hours attendance. Two hours credit. First semester.

16. **Teachers' Course**—15 continued. Two hours attendance. Two hours credit. Second semester.

17. **Beginning Russian**—Grammar, vocabulary, exercises. Five hours attendance. Five hours credit. First semester.

18. **Beginning Russian**—17 continued. Easy selections from modern Russian writers. Five hours attendance. Five hours credit. Second semester.

ZOOLOGY

Professor Wolcott (*Head of Department*), Professor Barker, Professor Whitney, Associate Professor Latimer

General Information

The department possesses such facilities as enable it to offer the usual undergraduate courses and graduate work along certain lines.

Students entering upon the study of zoology should elect courses 3 and 4, or A, unless their course dictates the selection of such specialized courses as 11 and 12 offered to students in the College of Agriculture, 15 to students in pharmacy, or 17 and 18 to students in art. Students looking forward to the study of medicine take, after completing the first year of work, courses 25 and 22, and as electives 23 and 24 or 34. The requirements for the University Teachers' Certificate in this department are: Courses 3 and 4 (or A), 20 and 21, and 9 or 39; for a 16-hour to 18-hour minor, the same courses with the addition of 31 and 32; those who desire a major of greater extent should consult with the head of the department. Those who plan to specialize in zoology should counsel freely, from the beginning of the course, with the head of the department. The courses designated by title as "advanced" are intended for those who have had two years' work in zoology and are meant to serve as an introduction to research.

Attention is called to the opportunities for preparation in lines leading to professional work in zoology. A course in economic zoology and entomology is offered which fits the student for experiment station work, and government work in entomology; by slight modification and the proper use of electives the course furnishes suitable preparation for the work of the U. S. Biological Survey. The student may also, by the election of courses in parasitology, animal pathology, etc., readily adapt his preparation to the needs of the work in the Bureau of Animal Industry, and by the selection of certain courses chosen with the advice of the head of the department, prepare himself for work in the new laboratories of the Bureau of Fisheries. In all these lines there is a steady demand for properly trained men at good salaries.

GRADUATE WORK

Before entering upon graduate work in zoology, and, before offering himself as a candidate, the student must consult with the head of the department as to the details of his course, even tho his work may actually be done under the immediate direction of another member of the staff.

Among the facilities available for research work are a large collection of mites, a comparatively unworked group of great economic and scientific

importance; a considerable and rapidly growing collection of parasitological material; and an aquarium room with permanent colonies of protozoa and a number of the lower invertebrates under various environmental conditions, which permits of experimental work upon these forms.

The publications of the departmental staff and of graduate students are included in a series entitled "Studies from the Zoological Laboratory," of which five volumes of twenty numbers each have been completed, while of volume 6 numbers 101 to 115 have been published, and others are in press and in preparation.

The department has available a limited number of fellowships and scholarships which are given to deserving students each year. Applicants can secure full information in regard to them by addressing the head of the department.

MASTER OF ARTS

To register as a candidate for the degree of Master of Arts, a student must have completed two years of undergraduate work in zoology, and one in botany. The ordinary requirements are as follows:

Minor: An amount of advanced work equivalent to six credit hours, a minor thesis, and seminar work for one semester.

Major: An amount of advanced work equivalent to 12 credit hours, a major thesis, and assigned reading, including seminar work thruout the year.

Complete course: Work equivalent to full time for one year including reading and seminar work, and an acceptable thesis.

DOCTOR OF PHILOSOPHY

The preparation required of the student is the same as for the Master's degree. The requirements are:

Minor: An amount of work approximating that of the complete course for the degree of Master of Arts.

Major: A course of graduate study which shall meet at least the minimum time requirement imposed by the Graduate College; the preparation of a thesis which shall represent original research, and three years of seminar work.

FIRST YEAR COURSES

3. **Introduction to Zoology**—A beginning course dealing with the methods and principles of the subject, and consisting of quizzes, based upon a text; of lectures aimed to impart breadth of view and to develop the relations of the subject and its applications; and of laboratory work devoted to an intensive study of a number of selected types, mitosis and cell cleavage. For those who do not expect to take more than one year of zoology, but desire a more thoro course the credit value may be increased to four or five hours—to four, by the addition of laboratory work on an additional number of types, giving the student an acquaintance with the

variety of animal forms, and to four or to five hours by means of assigned selected readings. Three hours attendance. For three hours credit four hours laboratory. Three hours credit or with additional work, four or five. First semester. Wolcott, Whitney

4. **Introduction to Zoology**—3 continued. Second semester.

A. **Introduction to Zoology**—A beginning course for those who desire to complete the year's work in general zoology in one semester. This course covers the same ground as courses 3 and 4. Five hours attendance. Eight hours laboratory. Five hours or, with additional assigned work, six hours credit. Second semester. Barker

8. **Zoological Fresh-Water Biology**—A field course. Open only to students who have taken or are taking courses 3 and 4. Four hours laboratory and field work. Two hours preparation. Two hours credit. Second semester. Wolcott

9. **Ornithology and Nature Study**—A course consisting of two parts; one class period and a two-hour laboratory or field period are devoted to ornithology, the other class period is devoted to nature study and in the corresponding laboratory and field period other forms of life are studied and systematic instruction given in methods of observation and practical work. Planned especially for those expecting to teach in the grades. May be elected as a one hour course in ornithology, or as a two-hour course in nature study. Two hours attendance. Four hours laboratory and field. Second semester. Open to all but recognized in part fulfillment of the group requirement for a degree only if elected as a two-hour subject, and by arrangement with the instructor. Wolcott

11. **Zoology for Agriculture Students**—A beginning course in zoology for students in the College of Agriculture. The course takes up in a practical way the nature of living matter, development, structures and functional activities of animals, geographical distribution and animal relationships, the essential features of evolution and the general principles of heredity as illustrated in the study of the common animals, more particularly those of the farm. Emphasis is placed on the understanding of the development, structure and activities of man, thru the study of animals. Laboratory and field work on type forms. Three hours lecture. Three hours preparation. Three hours laboratory and field work. Three hours credit. First semester. Barker

12. **Zoology for Agriculture Students**—Course 11 continued. Lectures dealing with the practical application of zoological knowledge in the fields of animal breeding, the animal parasites of our domestic and farm animals, and the relationships of our common animals of farm and country. Laboratory and field work illustrating these phases. Three hours lecture. Three hours preparation. Three hours laboratory and field work. Three hours credit. Second semester. Barker

13. **Zoology for Medical Students**—A beginning course in zoology open only to students registered in the six-year medical course. Emphasis is laid on the general fundamental biological principles. The structures, functions and development of animals are considered as an introduction to human anatomy, physiology and embryology. Laboratory work of an intensive type designed to prepare students for subsequent medical courses. Three hours attendance. Four hours laboratory. Three hours credit. First semester. Barker

14. **Zoology for Medical Students**—13 continued. Second semester.

15. **Zoology for Pharmacy and Dental Students**—A beginning course open only to pharmacy and dental students. The lectures deal with the general principles of animal morphology, physiology, and embryology. The laboratory work is based upon a study of cell cleavage, mitosis, several typical invertebrates, and two vertebrate types, together with instruction in microscopical technique and in methods of gross dissection. Two hours lecture. One hour quiz. Four hours laboratory. Three hours credit. First semester. Barker

17. **Zoology and Anatomy for Art Students**—A beginning course consisting of a general survey of the principles of zoology, especially of morphology, and leading up to the following course in the second semester. In the laboratory a few selected types are used to illustrate these principles. Three hours attendance. Four hours laboratory. Three hours credit. First semester. Wolcott

18. **Zoology and Anatomy for Art Students**—17 continued. This course begins by the application of the principles of morphology to the structure of vertebrates and closes with a study of the surface anatomy and the anatomy of the more superficial muscles of the human body. The laboratory work involves the use of several vertebrate types, including the human subject. This course may be taken without course 17 after a year's work in general zoology. Three hours attendance. Four hours laboratory and demonstration. Three hours credit. Second semester. Wolcott

SECOND YEAR COURSES

20. **Vertebrate Zoology**—A course similar to Course 21, and with it forming a second year of general zoology leading up to the special lines of work offered in the third year. Prerequisite: Courses 3 and 4, and advised to follow 21. Two hours attendance. Six hours laboratory. Three hours credit. Second semester. Wolcott

21. **Invertebrate Zoology**—For second year academic students who desire a broad and general knowledge of invertebrate animals. The course consists of the study of a variety of types of invertebrates, as to their morphology, embryology, certain phases of comparative anatomy, habits, distribution and economic value. Specimens from the general collections

of the museum and laboratory, representing a large number of species, will be studied thus affording an opportunity to the student of becoming familiar with all types of invertebrate animals. Prerequisite: Courses 3 and 4. Two hours attendance. Six hours laboratory. Three hours credit. First semester.

Whitney

22. **Comparative Anatomy of the Vertebrates**—A course giving a general survey of the field of comparative vertebrate anatomy from the dynamic point of view. The laboratory work includes the study of *Amphioxus*, the shark, the necturus, and the cat, with demonstrations from preparations in other groups. One year of zoology is prerequisite. Four hours attendance. Ten hours laboratory. Five hours credit. First semester.

Latimer

23. **Embryology**—An introductory course in embryology for students who have had at least one year of zoology. The course will deal with the general principles of vertebrate development; the formation of the germ layers, the various organs and systems, and the foetal membranes. The laboratory work will include a study of chick and pig embryos. Three hours attendance. Four hours laboratory. Three hours credit. First semester.

Latimer

24. **Histology**—An introductory course in microscopic anatomy of the vertebrates which is arranged to follow course 23. During the course the student will acquire a general knowledge of microscopic technique. Two hours attendance. Six hours laboratory. Three hours credit. Second semester.

Latimer

25. **Medical Zoology**—Lectures on Protozoa, Platyhelminthes, Nematelminthes and Arthropoda which produce or transmit diseases of man—with particular reference to their structure, identification and life histories. The laboratory work includes a study of type forms and the required preparation of slides, and serves as an introduction to histological technique. Intended especially for the medical student. Prerequisite: A year of zoology. Three hours attendance. Four hours laboratory. Three hours credit. First semester.

Barker

26. **Parasites of Domestic and Farm Animals**—A course dealing with the more common animal parasites of domestic and farm animals with emphasis on the practical and economic relation of these parasites to disease. Primarily for students in agriculture and those looking toward veterinary or United States Government work. Open to those who have had a year's work in general zoology. Laboratory work on type forms of common parasites of farm animals. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Barker

ADVANCED COURSES

31. **Organic Evolution**—A general study of the development of the theory of Organic Evolution from the time of the ancient Greeks to the

present day together with a study of the evidences that support the theory and also of the methods by which it has operated. It is desirable that a student should have had two years work in zoology before electing this course altho it may be taken by those who have had only a year's work in zoology with the consent of the instructor. Lectures and assigned readings. Two hours attendance. Two hours credit. First semester. Whitney

32. Genetics—A study of the recent genetic theories, and their practical bearing on the rearing and improvement of plants, animals, and man. Breeding experiments with flies, mice, and guinea pigs will be carried on in the laboratory to demonstrate the main principles involved in these theories. It is desirable that a student should have had two years' work in zoology before electing this course altho it may be taken by those who have had only a year's work in zoology with the consent of the instructor. Two hours attendance. Four hours laboratory. Three hours credit. Second semester. Whitney

33. Advanced Work in Animal Morphology—Devoted to the study of some assigned problem in morphology. Laboratory work with conferences and reading. May be elected as a five to ten-hour study. First or second semester. Elected only after consultation with instructor. Wolcott, Barker, Latimer

34. Animal Parasites—Taxonomy, morphology, biology and economic relationship of animal parasites. Lectures, laboratory and field work. The handling of a simple assigned problem usually on some undescribed species. Two hours attendance. Four to twelve hours laboratory. May be elected as a two to five-hour course. First or second semester. Open to students who have had courses 3, 4, and 25 or their equivalent. Barker

35. Experimental Zoology—A general study of the recent results obtained in the field of experimental zoology together with demonstrations and experiments. Open to students who have had the second year's work in zoology. One hour attendance. Four hours laboratory. Two hours credit. First semester. Whitney

36. Advanced Work in Experimental Zoology—Individual work on an assigned problem. Laboratory work with conferences and assigned readings. May be elected as a three to ten-hour subject. First or second semester. May be taken only by permission of instructor. Whitney

37. Advanced Work on Local Fauna—A course in ecology and systematic zoology devoted to the study of some problem connected with the distribution within the state of a certain group of animals, or with the fauna of a certain habitat. The aquarium room offers facilities for keeping material thruout the winter. Field and laboratory work with conferences and assigned readings. May be elected as a three to ten-hour course. First or second semester. Wolcott

39. **Methods in Teaching Zoology**—A course for high school teachers, including a discussion of the methods of presenting the subject, of the choice of books, and of the collection and handling of laboratory materials. Two hours lecture and conference with other assigned work. Two hours credit. First semester. Wolcott

41. **Seminar**—A review of some recent book based on original research, with a study of the literature of the subject presented. The book chosen for 1916-1917 was Holmes' *The Evolution of Animal Intelligence*. Open to election by advanced students, and required of candidates for advanced degrees, of whom are required reports on assigned readings. One hour attendance. One hour credit. May be elected more than once. First or second semester. The Staff

43. **Research**—The equipment of the department and the library facilities are such that research along certain lines indicated below is being carried on. An extensive Salt Basin, including a salt lake over a mile in extent and alkali flats with numerous ponds, all within a few minutes' walk of the campus, offer noteworthy opportunities for certain types of investigation. This course can be elected only by those registered in the Graduate College.

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|--|---------|
| a. Morphology of the mites. Ecological studies and investigation on the local fauna. | Wolcott |
| c. Morphology of the parasitic protozoa and worms. | Barker |
| d. Problems in heredity and sex-determination. | Whitney |
| e. Morphology of the vertebrate nervous system. | Latimer |

Human Anatomy¹

51. **Anatomy for Dental Students**—A course in human anatomy covering the skeleton and the gross anatomy of the head, neck and arm, and open only to dental students. Two hours attendance. Six hours laboratory. Three hours credit. First semester. Latimer

52. **Anatomy for Dental Students**—51 continued. Second semester.

53. **Anatomy for Students of Physical Training**—A course designed to acquaint students of physical training with a general knowledge of the human body and a more detailed knowledge of the muscular system, the peripheral vessels, and nerves of the viscera, and planned to give the students such a knowledge of the human body as will enable them to intelligently apply it in Physiology, Physical Culture, and Hygiene. It must be preceded by courses 3 and 4, or A. Two hours lecture. Two hours quiz. Nine hours laboratory. Five hours credit. First semester.

Latimer, Emerson

¹No credit can be given for these courses in the College of Medicine.

54. **Anatomy for Students of Physical Training**—53 continued. Two hours attendance. Six hours laboratory. Three hours credit. Second semester.

55. **Histology and Embryology for Dental Students**—A course arranged for dental students and covering the histology of tissues and certain organs, general embryology, and the special histology and embryology of the teeth. Open only to dental students. Eight hours laboratory, quiz and recitation. Three hours credit. Second semester. Latimer

University Extension

UNIVERSITY EXTENSION

A. A. Reed, Acting Director

Aim of Regents—The constant aim of the Regents of the University of Nebraska is to make the University a school of the people, by the people, and for the people—to bring the University and the home in closer touch; to give every citizen a chance to get the highest education at the smallest possible cost; to take the University to all the people of the state who are unable to adjust themselves to the formal system of education.

Purpose of University Extension—The purpose of University Extension work is to give all persons who are unable to formally attend school an opportunity thru correspondence study to investigate all problems—artistic, literary, historical, social, industrial, moral, political, educational; problems in sanitation, city lighting, sewerage; banking, crises, money, divorce—in fine, all problems that may concern the citizens of Nebraska.

To Whom the Work Appeals—University Extension work, therefore, appeals to the following classes of persons: (1) rural, grade, and high school teachers who cannot avail themselves of resident instruction; (2) students preparing for college; (3) college students who are unable to pursue continuous resident study; (4) teachers and others who have a partial college course and wish to work along some special line; (5) instructors in higher institutions who desire assistance in the advance study of some subject; (6) professional and business men who wish technical information; (7) ministers and Bible students who wish to study the sacred scriptures from a literary standpoint; (8) all who desire a broader knowledge or a more thoro and comprehensive scholarship.

Division of Work—As a matter of convenience, the work is divided into four departments as follows:

- I. Correspondence-Study.
- II. Instruction by Lectures.
- III. Debating and Public Discussion.
- IV. General Information and Welfare.

1. CORRESPONDENCE-STUDY

The possibility and efficiency of teaching by correspondence-study has already been demonstrated by practical experience in University Extension work in the leading universities and colleges of both Europe and America. While such instruction lacks some of the advantages which resident study gives, it has compensating advantages of its own. In correspondence instruction the teaching is personal and individual. Every student studies and recites the whole lesson, and comes in contact by correspondence with the teacher as an individual, not as a member of a large class. Correspondence-study employs the spare time of the student, gives him an interest besides his daily work. It can be done at home, and thereby brings into the home a new influence and charm. Correspondence work, moreover, throws the student upon his own resources and makes him self-reliant and self-determining.

Thru this department, the University is reaching out a helping hand to every citizen. It plans to add to the resources of life, of education and of industry; to give practical assistance to the farmer and the mechanic, to the professional man and the business man, to the employer and the employee, to teacher and to student, to farmer boy and farmer girl, to housekeeper and home-maker.

For all who desire to take correspondence-study the University of Nebraska, thru its Extension department, is able to offer:

First. Correspondence courses of study in all subjects required for city, county and state certificates.

Second. Correspondence courses of study for credit, as follows:

UNIVERSITY CREDIT

American National Government—three hours.

American State Government—three hours.

American History 3—three hours.

American History 4—three hours.

Agriculture, Introductory—three hours.

Agronomy 1, Soils—two to four hours.

Agronomy 2, Field and Cereal Crops—two to four hours.

Animal Husbandry—

Feeding—two hours.

Types and Breeds of Farm Animals—two hours.

Bohemian 1—four hours.

Bohemian 2—four hours.

Bohemian 7—two hours.

Bohemian 8—two hours.

Civics and Health—two hours.

- Drawing—
 - Architectural—three or five hours.
 - Mechanical—three hours.
- Economics 1—three hours.
- Economics 1a—three hours.
- Education—
 - Educational Classics—three hours.
 - Child Study—two hours.
- Educational Theory and Practice—
 - Educational Surveys—three hours.
 - School Organization and Administration—two to three hours.
 - Supervised Study—two hours.
 - The Art of Study—two to three hours.
- English A—two hours.
- English Literature 1—two to three hours.
- English Literature 2—two to three hours.
- English Literature 3—two to three hours.
- English Literature 5a—three to five hours.
- English Literature 6a—three hours.
- English Literature 7—one hour.
- European History—
 - Greek—three hours.
 - Medieval—two hours.
 - Modern—two hours.
- Farm Management—two to three hours.
- Gasoline Automobile—no credit.
- General Science—two hours.
- Geography—
 - Physical—two hours.
 - Industrial—two hours.
 - Nebraska—two hours.
- Geology—two hours.
- German.
- Heating and Ventilation—two hours.
- Home Economics.
 - Cookery 3a—two hours.
 - Cookery 4a—two hours.
- Latin Composition—two hours.
- Life and Times of Lincoln—three hours.
- Mathematics 1—five hours.
- Mathematics 1a—three hours.
- Mathematics 1b—three hours.
- Mathematics 2—five hours.
- Nebraska History and Nebraska Problems—one hour.
- Reading—two to three hours.

Rhetoric 1a—three hours.
Rhetoric 1—two hours.
Rhetoric 2—two hours.
Sociology, Elementary—two hours.
The Rural School—one hour.
The Secondary School—two hours.
Weather and Climate—two hours.
Zoology 1—three hours.
Zoology 2—three hours.

ENTRANCE CREDIT

Algebra—two points.
Arithmetic—one point.
Elementary Agriculture—one point.
Bookkeeping—one point.
American Civics—one point.
Plane Geometry—two points.
Solid Geometry—one point.
Grammar—one point.
Beginning Latin—two points.
Physics—two points.

Methods of Work and Instruction—Each lesson contains: (1) full directions for study, including reference to the text-books by chapter and page; (2) necessary suggestions for assistance; (3) questions to test the student's method of work as well as his understanding of the ground covered. After a careful study of the subject, the student writes his answers to the questions, with a statement of any difficulties that may have arisen during his study, and mails them to the Director of University Extension, Station A, Lincoln, Nebraska. The answer papers are carefully read and marked by the proper examiner, and are returned to the proper student by the Director. In like manner every lesson is carefully criticised by the instructor and returned, so that each student receives personal guidance and instruction thruout the course. The following specific directions must be followed by all correspondence students: The writing material should be the regular student's note-paper, regular teacher's examination paper, or single sheet legal cap. All papers must be written in ink. Answers shall be written on one side of the paper only. The name of the course and the name and address of the student must be written at the top of the first page of each set of answer papers. All pages of answer papers must be properly numbered and fastened together in consecutive order before mailing to the Extension office. Answers must be in clear, concise terms. The answers must be numbered in the middle of the page to correspond to the questions. Credits will be deducted from carelessly written or illegible manuscript. Correspondence students must use sufficient postage when

mailing answer papers to the Extension office. On returning these papers to correspondence students, the Extension office will furnish the postage.

Requirements for College Credit—Three hours of preparation constitute the minimum requirement in Extension work in any and all subjects for one hour of college credit. No credit is given without the approval of the head of the department in which the Extension work is taken. The final examination is given under such rules and regulations as the head of the proper department may require. Only one-half of the unit hours required for graduation may be taken in correspondence study.

Requirements for Entrance Credit—Ten hours of preparation each week for one semester or a period of sixteen weeks constitute the minimum requirement in the Extension work for a credit point for entrance to the University. No entrance credit is granted without the approval of the head of the proper department.

Requirements for Certification Credit—Extension work pursued by those desiring to fit themselves for the teachers' examination for county, city or state professional certificates granted by the State Superintendent of Public Instruction is given under the supervision of the Director of University Extension, with the approval of the head of the proper department.

Expenses and Fees—The fees for correspondence-study are placed upon the lowest operating basis possible for thoro and expeditious instruction. Those who will investigate the fees charged by other state universities, private schools and colleges for correspondence study will find that the University of Nebraska has undertaken to do University Extension work at a lower cost to its students in the Extension department than has ever been done before in this country, and at the same time not lower the efficiency of the instruction given. The fact must be borne in mind that the correspondence student is usually engaged in a gainful occupation or profession, whereas the resident student temporarily suspends his earning power. The correspondence student may also be said to be turning his leisure time into economic values by this method. These and many other factors contribute toward establishing this as an inexpensive system of achievement and education. All fees are payable in advance. There will be no refund of any fee paid for Extension work unless the University is unable to give instruction in the course of study applied for by the student.

Text-Books and Supplies—All text-books and supplies necessary for the work desired may be bought from the Purchasing Agent, Station A, Lincoln, Nebraska, at cost. The student may purchase direct from the publisher, but it will expedite matters for those who take the work, as well as for the extension department, to deal direct with the Purchasing Agent of the University, and in nearly every case it will be cheaper for the student so to do, as the University can secure all books at wholesale price, while the student could obtain only retail prices.

Time for Completing Work—It is assumed that a semester's course of study in correspondence work may be completed by the average student in eighteen weeks on a minimum leisure for study of one hour and a half per day, six days in the week. It is, however, the student's privilege to pursue his studies as fast as he can or as slow as he must. If for reasonable cause the student desires more than one semester in which to complete the semester's work, this may be granted, but only under extraordinary circumstances will the student be given more than one year from the date of registration in which to complete a course of study. All students taking correspondence work are cautioned against trying to carry too much work at one time. When the student is over-burdened by regular daily duties and correspondence study, University Extension work will become a punishment and a detriment rather than a pleasure and an inspiration as it may when a reasonable amount of work is undertaken.

May Register Any Time—One of the best features of University Extension work is that the student may register at any time and pursue the course of study alone, if necessary. As a rule better work can be done where there is a class of persons working together in an Extension center under a competent leader. But this will be impossible for a great number of those who desire to do Extension work. Therefore, they are given the opportunity of registering at any time and working alone.

Examinations—Where the student is taking correspondence-study to prepare for the examination for a teacher's certificate, the final examination will be given under the rules and regulations governing the county teacher's examination, and will be conducted by the county superintendent or by the city superintendent of normal training high schools. This will place the examination within easy reach of every teacher taking the work.

Where the final examination is taken for University credit, it will be given under the authority of the University of Nebraska and will be conducted by county superintendents, city superintendents and high school principals thruout the state as representatives of the University. This makes all examinations especially convenient for all who may be taking correspondence-study.

II. INSTRUCTION BY LECTURES

Instruction by lectures is an important feature of University Extension work. The University of Nebraska is able to offer thru its Extension department first-class lecture talent at reasonable rates.

Nearly all members of the faculty are available for lecture engagements. Many lectures and addresses can be secured for educational gatherings on the payment of actual expenses. In all cases the charge is nominal.

III. DEBATING AND PUBLIC DISCUSSION

We cannot better emphasize the aims of this department and the value of Debating and Public Discussion than to quote from the report of Dean Louis E. Reber, Director of University Extension of the University of Wisconsin: "This department aims to arouse and stimulate among all classes of people an intelligent and active interest in important social and political questions. Believing that there is no form of popular education that tends more essentially to the making of good citizens than study and discussion of live issues, the department collects and maintains a loan library of books and periodicals relating to questions of the day, available upon application, issues bulletins on special topics, and keeps in touch by correspondence or personal interviews with civic leagues, town councils, library and school boards, farmers' and business men's clubs, high school and academy societies, and all similar organizations thruout the state. It is difficult to estimate the value of wide-spread, systematic training of this character in its influence upon the citizens of the state. It is conceded that no other study in the university or college does more to discipline the mind and promote an interest in questions vitally affecting humanity and the government than the work done in debating societies. It is fortunate that so useful and so broadening a pursuit can be carried on in the home of the student without interruption of his regular occupations. Without other outlay than time and thought the debater is led, first to feel an interest in and desire to know about the great national and state issues of his day. This point gained, he is taught where and how to obtain material for his studies, a valuable asset in itself, if by this means he acquires the ability to inform himself when and upon what subjects he will. In studying great questions and formulating them for debate he learns to discriminate between fundamental underlying principles and non-essentials. He comes to recognize sound reasoning, not only in questions he debates, but in all his reading. In presenting arguments in public he is gaining lessons of self-control, of correct speech, and of concise thinking. That an immense influence may be exerted in countless directions by means of such training spread abroad thruout the state is evident."

The Nebraska High School Debating League was organized by Professor M. M. Fogg, Department of Rhetoric, University of Nebraska, in January, 1908, at the earnest solicitation of several of the leading school men in the state, for the purpose of promoting oral discussion in Nebraska secondary schools. Thirty-one schools participated in twenty League contests during the first year of its organization. Each year since there has been an increase in the membership and interest, more than ninety participating in the contest of 1915-1916. Where any school belonging to the League desires material on the subjects to be debated during the ensuing year, it will be furnished at actual cost thru the Extension department. This material is selected by expert debaters working under the direction of Professor

Fogg. This plan reduces the cost of debating material to the minimum for all schools belonging to the League.

IV. GENERAL INFORMATION AND WELFARE

The departments of history, economics, sociology and the colleges of agriculture, law and medicine will, thru the General Information and Welfare Department of University Extension, render valuable assistance to thousands of persons thruout the state.

University Extension is for the benefit of all the people and must be comprehensive both with reference to including the work of all departments of the University proper, so far as practicable, and in covering the widest possible range of study of all questions that concern the people of the commonwealth. Its purpose is clearly set forth in Professor Caldwell's report to the Chancellor and Board of Regents, made April 18, 1908: "To investigate all problems—artistic, literary, historical, social, industrial, moral, political, educational; problems of sanitation, city lighting, sewerage; banking, crises, money, divorces, etc.—in fine, all problems that may concern the citizens of Nebraska."

For further information relative to any question concerning University Extension work, write the Director of University Extension, Station A, Lincoln, Nebraska.

Roster of Students and Degrees
and Index to Complete Catalog

DEGREES CONFERRED IN 1915-1916

Mid-Winter Commencement, 1916

THE COLLEGE OF ARTS AND SCIENCES

BACHELORS OF ARTS—16

Orval Lester Brace	Vera Pool
Warren Sanford Cook	Herbert Stockton Reese
Magdelene Craft	Constance Rummons
Alice Mattie Cusack	Arthur Lawrence Schade
Mabel Henrietta Drummond	Fred Lorenz Strieter
Clinton Earl Fehlman	Clella Stufft
Zetta Ruth Higgins	Richard Yoder Thompson
Hazel Norris	Frank Benjamin Tipton

BACHELORS OF SCIENCE—4

Paul Jones Flory	Glen Matthew Ruby
Yong Kiu Lee	Charles Willard Way

THE COLLEGE OF AGRICULTURE

BACHELORS OF SCIENCE IN AGRICULTURE—8

George Edward Harris	Edwin Maynard Partridge
Henry Albert Jones	Wylie Ray Ward
Harry Peter Magnuson	Curry Wathan Watson
Harry Crawford Mortlock	Alva Wilson

THE COLLEGE OF ENGINEERING

BACHELORS OF SCIENCE—3

Stuart Kenneth Clark	in Civil Engineering
Raymond Berrier Gillespie	in Mechanical Engineering
Philip Lambert Rouse	in Agricultural Engineering

THE COLLEGE OF LAW

BACHELORS OF LAW—3

Carleton Harris Cook	Joseph Wakin Ferris
Kenneth Rice Cook	

THE COLLEGE OF MEDICINE

DOCTOR OF MEDICINE—1

William Banta Aten

THE GRADUATE COLLEGE

MASTERS OF ARTS—5

Arthur Ross Ferguson, A. B. 1908, Coe College—Chemistry
 Frank Albert Hayes, B. Sc. 1913—Geography
 Ethel Katherine Hummel, A. B. 1912—Roman History and Literature
 William Reimer, A. B. 1913—Germanic Languages and Literature
 Frank Elmer Weyer, A. B. 1911, A. M. 1912, Hastings College—Education

June Commencement—1916

THE COLLEGE OF ARTS AND SCIENCE

BACHELORS OF ARTS—177

Harriette Beatrice Anderson	Walter Clarence Harpster
Florence Bell Angle	Gladys Hart
Ethel M. Arnold	Bernice Stewart Heckler
Catharine Parmele Atwood	Matthew Gering Herold
Vale Oressa Babcock	Bertie Bennett Hoag
Bessie Lillian Bayley	Cloy St. Clair Hobson
Marguerite Beesley	Clinton Steele Holcombe
David Henry Bowman	Willie Jensen Houmark
Olga Elfrieda Brecks	Gwendolyn Hughes
Clarice Lina Breese	Grace Mildred Huntley
Louise Barker Brownell	Arthur Earl Jackson
Archer Lowell Burnham	Winnifred Jackson
Carey Pharaba May Butler	Glen Hooper James
Juanita Lucile Campbell	Charlotte Louisa Jenkins
Dorothy Jane Carns	Jessie Gertrude Jones
Pearl Ida Castile	Victor Francis Jouvenat
Arthur Charles Chace	Lena Juanita Judy
Berlin Guy Chamberlin	Edward Martin Kadleeck
Martin Burton Chittick	Selma Luise Kauf
Emma Dorcas Christensen	Adele Musette LaMar Kellenbarger
Florence Marie Clayton	Mabel Kelly
Irma Grace Coe	James Wadsworth Kinsinger
Lulu Mae Coe	Richard Vitus Koupal
Marie Isabel Cusack	August Charles Krebs
Helen Davison	Grant Harold Lanphere
Margaret Baird Davison	Florence Iola Lemmon
Flora May Dawson	Marie Arden Lewis
Harriet Day	Catherine Camille Leyda
Cora Williams Dilworth	Margaret Lucille Leyda
Clair Catherine Dixon	Gene Forrest Liebendorfer
Clara Rawson Dodds	William Harrison Line
Gladys E. Dominy	Francis Edward Long
Marguerite Lucile Dye	Gladys Malone Lord
Aileen Mary Eberman	Lauretta Ellenor Lord
Jeannette Heaton Finney	Blanche L. McCartney
Robert Harlan Flansburg	Hazel McCartney
Harlow Conrad Fleck	Ruth Miller McClymont
Elmer Eugene Foelber	Clara Marguerite McMahon
Willard Miller Folsom	John Wallace Mackey
Lloyd Ellis Foster	Fannie Elizabeth Malzacher
Henry Waldon Fouts	Marguerite Elizabeth Marshall
Cornelia Frazier	Helen Mary Matteson
Irving Karl A. Frost	Alice Ripsima Mesropian
Edna Christine Froyd	Herbert Newton Mesropian
Carolyn Funke	Grace Eloise Metcalf
Clear Clement Golden	Gladys Mary Miller
Alberta Gruver	Glenn Eugene Miller
Howard Hadley	Margaret Asenath Miller
Paul Albert Hagelin	Winfield Kirkwood Miller
William Ernest Harnsberger	Ruth Mills

William Erskine Mitchell
 Ivil Montgomery
 Jennie Cornelia Morse
 Thirza Adaline Mossman
 Maurine Murdock
 Mary Loretta Murphy
 Alice Neva Myers
 Chris Nelson
 Della Anna Nelson
 John Fred Nelson
 Myrtle Otelia Nelson
 Walter Joseph Nickel
 Mabel Lucile Niehaus
 William Findley Noble
 Effie Matilda Noll
 George Allen Odgers
 Alice Oliver
 Leon Martin Palmer
 Mary Abigail Parker
 Henry Pascale
 Mildred Reed Peery
 John Lindsey Polk
 Marcus Louis Poteet
 Mary Frances Priest
 Rudolph Victor Prokop
 Alice Juliet Proudft
 Hedvie Antoinette Provaznik
 George Andrew Racely
 Elma Reeder
 Beulah Blanche Richards
 Ida Lucile Roane
 Minnie Elsie Rohrer
 Richard Burr Rutherford
 Nannie Victoria Samuelson
 Ruth Ashton Sanford
 Howard Anthony Savage
 Melvin Henry Schlesinger
 Esther Florence Schultz

Harold Jacob Schwab
 Everett B. Scott
 Helen Lucile Scott
 Margaret Seeck
 Elizabeth Putnam Seymour
 Willa Lucile Shea
 Isadore Sheldon
 Donald Fox Showalter
 Rudolf Carl Siebert
 Myra Esther Silver
 Editha Bem Sixta
 Doris Bessie Slater
 John Henry Slothower
 Caryl Spaulding
 Kathryn Lucille Stanley
 Fay Stayner
 Edmund Kenneth Steenburg
 Harold John Stockman
 Elton Elwood Stone
 Sievers Whitehead Susman
 Robert Harris Talbot
 Florence Ruby Taylor
 Paul Nathaniel Temple
 Jessie Margaret Towne
 Louese Anna Upson
 Alvin Burie Wallace
 Chris Oliver Weber
 Helen Wehrli
 Cecelia Sophie Wehrs
 Etta Mary Welch
 Idyl Gladys Wild
 Elizabeth Mary Williams
 Ella Adelia Williams
 Sarah Lena Williams
 Ida Gillette Wilson
 Lowry Charles Wimberly
 John Harry Winstrom
 Hester Letitia Wyman

BACHELORS OF SCIENCE—16

Emory Frederick Almy
 Herbert Robins Bunting
 Jerome Benjamin Burnett
 Ralph Elmer Curti
 Charles Hugh Gable
 Walter Elsworth Hager
 Charles Albert Hauptman
 Earl Renshaw Leonard

Isaac S. Schembeck
 Roscoe E. Shutt
 James Henry Taylor
 Adin Hilton Webb
 Guy L. Weigand
 Frederick Francis Weinard
 Sadie Alta Wells
 Raymond Paschal Westover

THE COLLEGE OF AGRICULTURE

BACHELORS OF SCIENCE IN AGRICULTURE—23

Arthur Anderson
 Harold Ray Campbell
 Linus Chase

Earl Forbes
 Thomas Homer Goodding
 Louis Willard Horne

Roland Nels Houser
 Ira Nelson Kindig
 Ewing Williams Kuhn (*post ob.*)
 Louis Elmer McReynolds
 Homer Adelbert Noble
 Harry Pryor Rigdon
 Lewis Boyd Rist
 Jerden Ferdinand Sanmann
 Joseph Benjamin Shepherd

John Wilhelm Sjogren
 Anton William Skudrna
 Paul Hesden Stewart
 Fred Lee Taylor
 Benjamin Harrison Thompson
 Lewis Alonzo Townsend
 Rex Truman
 Roland John Wachter

BACHELORS OF SCIENCE IN HOME ECONOMICS—21

Charlotte Geraldine Anderson
 Veda Aseinith Bailey
 Margaret Irene Beal
 Ruth Hazel Bowden
 Leah Bowker
 Hazel Palmer Clark
 Winifred Beatrice Estes
 Pansy Marguerite Follmer
 Bernice Ellen Golden
 Clara May Hoes
 Frances Marie Hollister

Mary Veronica Krause
 Esther Viola Leamer
 Ethalinda Cotes Matheny
 Nellie Esther Morris
 Leah Amelia Schofield
 Eva Louise Scriven
 Dessie Deane Taylor
 Genevieve Weesner
 Janet Lucile Wheeler
 Eleanor Maude Wickett

THE COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING—1

James Patridge Fairbank

BACHELORS OF SCIENCE IN CIVIL ENGINEERING—5

George Martin Berquist
 Ulysses Severin Harkson
 Tomas Lorenzo

Henning Frithjof Nelson
 Roy Marquis Young

BACHELORS OF SCIENCE IN ELECTRICAL ENGINEERING—12

Richard Cary DeCou
 William Kirk Fowler, Jr.
 Raymond Clifton Leach Greer
 Walter Hall
 Guy Erwin Hancock
 Harold Pearl Miller

William Clayton Noddings
 Ferris Waldo Norris
 Leland Davis Norton
 Franz Henry Paustina
 Clarke Leonard Ryan
 Wilmer LaVern Wright

BACHELORS OF SCIENCE IN MECHANICAL ENGINEERING—7

Irving Clinton Baker
 William Calvin Chapin
 Esten Henry Cook
 Herbert Christian Edwards

Vincent Columbus George
 Frederick Jacob Leschinsky
 Benjamin S. Spieth

THE COLLEGE OF LAW

BACHELORS OF LAW—41

Hugh Agor
 Arthur Balis
 John Cather Boukather
 Benjamin Harvey Burritt

Yale Hatch Cavett
 Guy Cleveland Chambers
 Elwood Blake Chappell
 Leo Orville Chatt

Isaac Stanley Cooper, Jr.
 Effie Cover
 Wilson Solomon Delzell
 Lloyd Elmo Deweese
 Alexander James Dunlap
 Clifford Raymond Edmister
 Charles Haylett Epperson
 Norman Cox Gault
 Harvey William Hess
 Leon Archibald Hickman
 Russell William Israel
 John Elmer Jacobson
 Golden Paul Kratz
 Darrell Thomas Lane
 Earl McLean
 James Lloyd McMaster
 Ernest William Moehnert

Lafayette Irwin Morris
 Harold Benton Muffy
 Charles Eston Paul
 Otto K. Perrin
 John Lindsey Polk
 Arthur Charles Schmidt
 Emanuel Harry Shary
 Raymond Albert Smith
 Christian Abraham Sorensen
 Percy Craig Spencer
 Clarence Thompson Spier
 George William Sturges
 Guy Theophilus TouVelle
 Taylor Neil Withrow
 Earl Shafer Young
 Samuel Clancy Zimmerman

THE COLLEGE OF MEDICINE

DOCTORS OF MEDICINE—18

Carl Heinrich Bastron
 Ralph Elmer Curti
 Paul Jones Flory
 William Robert Galbreath
 Louis Everett Hanisch
 George W. Hoffmeister
 Fred Lambert Horton
 Earl Renshaw Leonard
 John Lovejoy Linn

Friedrich Wilhelm Niehaus
 Durward Belmont Park
 Wilber Kirk Riley
 Abraham Srol Rubnitz
 William Shepherd
 Clyde Albert Undine
 William W. Walvoord
 Ruth Ashley Warner
 Adin Hilton Webb

THE COLLEGE OF PHARMACY

BACHELORS OF SCIENCE IN PHARMACY—2

Ralph Grant Batty

Ernest Walter Schaufelberger

PHARMACEUTICAL CHEMIST—1

Saul Bryan Areñson

GRADUATES IN PHARMACY—7

Ralph Arner
 Aage Emil Brix
 Martin Burton Chittick
 John Lewis Harmon

Elwood Corban Huffman
 Victor Christian Johnson
 Bessie Townsend

THE GRADUATE COLLEGE

MASTERS OF ARTS—20

Earl Clifton Beck, A. B. 1915—English Language and Literature, Education
 Hazel Flavia Burns, A. B. 1915—English Literature, Education
 Dana Finley Cole, A. B. 1915—Economics
 John Graham Davis, B. Sc. 1913, Des Moines College, M. D. 1906, Iowa State University—
 Bacteriology
 Nell Maude Dean, A. B. 1909, University of Oklahoma—American History

Gertrude Lois Hanford, A. B. 1911, Doane College—English Language and Literature
 Herbert Christian Hanson, A. B. 1914, University of Minnesota—Botany
 John Christian Jensen, B. Sc. 1909, Nebraska Wesleyan University—Physics
 Annis Marie Johnson, A. B. 1914—English and American History
 Irene Bates Kirschstein, A. B. 1915—American History
 Ernest Heinrich Klotzsche, Certificate Leipsig Gymnasium 1899—Greek, Sanskrit
 Herbert Camden Lacey, A. B. 1895, Battle Creek College—Greek, Sanskrit
 Leon Austin Moomaw, A. B. 1911, Cotner University—American History, Sociology
 Clara Jeanette Nelson, A. B. 1914—Geography
 Jessie Blanche Pyrtle, A. B. 1915—English Literature, Education
 Altho Glenn Sly, A. B. 1914—Economics, Sociology
 Russell Richard Spafford, B. Sc. 1914—Farm Management, Agronomy
 Arley Claude Whitford, Ph. B. 1907, Alfred University—Geology, Botany
 Edna Waterman Worthley, A. B. 1914—Sociology
 Alexander John Wuertz, A. B. 1915—Chemistry

MASTER OF SCIENCE—1

Harry Thomas Bennett, B. Sc. 1915, Delaware State College—Agricultural Chemistry

AGRICULTURAL ENGINEER—1

Martin Francis Paul Costelloe, B. Sc. 1906—Agricultural Engineering

CIVIL ENGINEERING—1

George John Lyon, B. Sc. 1899—Civil (Hydraulic) Engineering

Summer Session—1916

THE COLLEGE OF ARTS AND SCIENCES

BACHELORS OF ARTS—44

Carl Arthur Anderson	John Edward Lanz
Ella Olive Bayles	Lilian Muriel Simpson Lanz
Benjamin Harlow Beck	Sarah Jane Littlefield
Roland George Breuer	Thomas Wright McMillan
Earl Broadston	Frank Lafayette McNown
Mary Eunice Camp	Stanhope Reid Pier
Sarah Wright Canfield	Julia Frances Rands
Elmer Heimer Christenson	Ethel Catherine Rathkey
Caroline Catherine Cilek	Florence Alva Reed
Orin Ray Clark	Beulah Richard Harold Rhoden
Rowland Newkirk Cloud	Clara May Riseland
Theodora E. Dodds	William Scholten
Wesley Lewis Dunten	Rebecca Fay Southwell
Cally Leroy Ellis	Anna Clara Staads
Edmund Field	Vernon Madelaine Storey
Lenor Scholastica Fitzgerald	Anna Genevieve Sughrue
Clarence Ray Gates	Ramona Troup
Helen Marie Giwits	Agnes Cecelia VanDriel
Felicia Anna Herkner	Frank Ray Vieregg
Tressa Beatrice Johnson	Mary Louise Weiss
Walter William Judkins	Marion Rebecca Wilcox
Edward Henry Koch	William Holloway Wilson

THE UNIVERSITY OF NEBRASKA

BACHELORS OF SCIENCE—8

Elmer William Bantin
Clark Eli Beede
Guy Elmer Burman
Kenneth Samuel Davis

Rudolph Eugene Johnson
Cecil George Newbecker
Arthur Lawrence Nielson
Donald Robert Owen

BACHELOR OF FINE ARTS—1

Verna Adelia Edgren

THE COLLEGE OF AGRICULTURE

BACHELORS OF SCIENCE IN AGRICULTURE—3

Porter Lemuel Gaddis
Oscar Emil Aase Oleson

William Kenneth Snyder

BACHELORS OF SCIENCE IN HOME ECONOMICS—2

Josephine Ruth Hancock

Jeanette Johnson

THE COLLEGE OF MEDICINE

DOCTORS OF MEDICINE—2

C. Rex Fuller

Paul Christopher Geissler

THE COLLEGE OF PHARMACY

PHARMACEUTICAL CHEMIST—1

Jesse Paul Browne

BACHELOR OF SCIENCE IN PHARMACY—1

Gustaf Alfred Bostrom

THE GRADUATE COLLEGE

MASTERS OF ARTS—29

Lawrance Anderson, A. B. 1904, Union College, A. B. 1909—Education

Carl Heinrich Bastron, B. Sc. 1914, M. D. 1916—Zoology

Lucile Elizabeth Brock, A. B. 1913, Cotner University—English Language and Literature, Education

Lena Briggs, A. B. 1914—European History

Mary Helen Cameron, A. B. 1913—American History

Katherine Cannell, A. B. 1913—Germanics

Elsie Margaret Cather, A. B. 1912, Smith College—Philosophy, English Language and Literature

William Henry Coleman, A. B. 1909, Nebraska Wesleyan University—Educational Theory and Practice, American History

Robert Andrew Conley, A. B. 1915, Cotner University—Philosophy, Education

Alfred Crago, A. B. 1905—Education

August Henry Dahlstrom, A. B. 1914—Germanics

Edith Caroline Field, A. B. 1906—American History

Fred Elmer Hayes, A. B. 1908—American History

Jesse Franklin Hendricks, B. Sc. 1914—Farm Management, Horticulture

Reuben Getty Huffman, A. B. 1912, York College—Agricultural Chemistry

Edward Claire Jacobson, A. B. 1910, Union College—American History, Sociology
 Thomas Nicholas Jenkins, A. B. 1915—Philosophy, Physics.
 Millard Charles Lefler, B. E. 1911, Peru State Normal—Education.
 Lindon Lamar Lynch, B. Sc. 1915—Chemistry
 Hikojiro Maitani, A. B. 1913, University of Denver—Jurisprudence and Public Law, Economics
 Walter Plybon, B. Sc. 1908, Nebraska Wesleyan University—Educational Theory and Practice,
 American History
 Isa Dolores Reed, A. B. 1911—Philosophy, Education.
 Louise Bessey Rice, A. B. 1914—English Language and Literature, Education
 Eugene Clark Rowell, A. B. 1914—English Language and Literature
 Herbert Giles Tanner, B. Sc. 1915, Ottawa University—Chemistry
 Julia Helen VanDriel, A. B. 1913—Germanics
 Carl John Warden, A. B. 1915, Cotner University—Philosophy, Education
 Charles William Warwick, A. B. 1911, Nebraska Wesleyan University—American History,
 Political Science and Sociology
 Albert Gerard Wood, A. B. 1909, University of Indiana—Botany

MASTER OF SCIENCE IN CIVIL ENGINEERING—1

Charles Leslie Nichols, B. Sc. 1907, Franklin College—Applied Mechanics, Civil Engineering,
 Geology

DOCTORS OF PHILOSOPHY,—3

George Borrowman, Jr., B. Sc. 1905, University of Minnesota, A. M. 1907—Chemistry,
 Geology
 Bertha Musson Luckey, A. B. 1911, A. M. 1912—Philosophy, Chemistry, Education
 Grace Esther Munson, A. B. 1911, A. M. 1912, Wellesley College—Education, Philosophy,
 Physics

THE GRADUATE SCHOOL OF EDUCATION TEACHERS' DIPLOMA—15

Lawrence Anderson
 Earl Clifton Beck
 Lucile Elizabeth Brock
 Hazel Flavia Burns
 Robert Andrew Conley
 Alfred Crago
 Florence Lyman Dohner
 Joseph Richard Fulk

Millard Charles Lefler
 Grace Esther Munson
 Jessie Blanche Pyrtle
 Isa Dolores Reed
 Louise Bessey Rice
 Carl John Warden
 Frank Elmer Weyer

THE TEACHERS COLLEGE DIPLOMA AND UNIVERSITY TEACHERS'
 CERTIFICATE—71

Ethel M. Arnold
 Vale Oressa Babcock
 Veda Aseinith Bailey
 Bessie Lillian Bayley
 Margaret Irene Beal
 Marguerite Beesley
 Ruth Hazel Bowden
 Olga Elfrieda Brecks
 Louise Barker Brownell
 Juanita Lucile Campbell
 Emma Dorcas Christensen
 Hazel Palmer Clark
 Lulu Mae Coe
 Helen Davison

Clara Rawson Dodds
 Gladys E. Dominy
 Aileen Mary Eberman
 Winifred Beatrice Estes
 Paul Whiting Evans
 Edna Christine Froyd
 Carolyn Funke
 Walter Elsworth Hager
 Gladys Hart
 Bernice Stewart Heckler
 Bertie Bennett Hoag
 Cloy St. Clair Hobson
 Frances Marie Hollister
 Winnifred Jackson

Jeanette Johnson
 Jessie Gertrude Jones
 Selma Luise Kauf
 Mabel Kelley
 Mary Veronica Krause
 Esther Viola Leamer
 Florence Iola Lemmon
 Marie Arden Lewis
 Catherine Camille Leyda
 Hazel McCartney
 Clara Marguerite McMahon
 Fannie Elizabeth Malzacher
 Ethalinda Cotes Matheny
 Gladys Mary Miller
 Ruth Mills
 Nellie Esther Morris
 Jennie Cornelia Morse
 Thirza Adaline Mossman
 Maurine Murdock
 Della Anna Nelson
 Myrtle Otelia Nelson
 Mabel Lucile Niehaus

George Allen Odgers
 Mildred Reed Peery
 Rudolph Victor Prokop
 Hedvie Antoinette Provaznik
 Herbert Stockton Reese
 Constance Rummons
 Nannie Victoria Samuelson
 Leah Amelia Schofield
 Eva Louise Scriven
 Richard Otto Severin
 Willa Lucile Shea
 Isadore Sheldon
 Donald Fox Showalter
 Myra Esther Silver
 Doris Bessie Slater
 Anna Clara Staads
 Florence Ruby Taylor
 Chris Oliver Weber
 Helen Wehrli
 Idyl Gladys Wild
 Ida Gillette Wilson

THE TEACHERS COLLEGE DIPLOMA AND THE FIRST-GRADE CITY
 STATE CERTIFICATE—59

Charlotte Geraldine Anderson
 Catharine Parmele Atwood
 Ella Olive Bayles
 Leah Bowker
 Clarice Lina Breese
 Florence Marie Clayton
 Irma Grace Coe
 Margaret Baird Davison
 Clair Catherine Dixon
 Wesley Lewis Dunten
 Harlow Conrad Fleck
 Helen Marie Giwits
 Bernice Ellen Golden
 Alberta Gruver
 Zetta Ruth Higgins
 Clara May Hoese
 Willie Jensen Houmark
 Gwendolyn Hughes
 Charlotte Louisa Jenkins
 Lena Juanita Judy
 Adele Musette LaMar Kellenbarger
 John Edward Lanz
 Lilian Muriel Simpson Lanz
 Gene Forrest Liebendorfer
 Sarah Jane Littlefield
 Lauretta Ellenor Lord
 Blanche L. McCartney
 Ruth Miller McClymont
 Frank Lafayette McNown
 Helen Mary Matteson

Alice Ripsima Mesropian
 Glenn Eugene Miller
 Margaret Asenath Miller
 Chris Nelson
 John Fred Nelson
 Oscar Emil Aase Oleson
 Julia Frances Rands
 Ethel Catherine Rathkey
 Elma Reeder
 Ida Lucile Roane
 Minnie Elsie Rohrer
 Earl Newton Samuelson
 Ruth Ashton Sanford
 Esther Florence Schultz
 Helen Lucile Scott
 Editha Bem Sixta
 Kathryn Lucille Stanley
 Elton Elwood Stone
 Gertrude Sturm
 Dessie Dean Taylor
 Romona Troup
 Rex Truman
 Louise Anna Upson
 Genevieve Weesner
 Etta Mary Welsh
 Eleanor Maude Wickett
 Ella Adelia Williams
 John Harry Winstrom
 Hester Letitia Wyman

PHYSICAL EDUCATION CERTIFICATES—9

Benjamin Harlow Beck
 Pearl Ida Castile
 Cornelia Frazier
 Margaret Lucille Leyda
 Grace Eloise Metcalf

Mary Francis Priest
 Clara May Riesland
 Ida Lucile Roane
 Richard Burr Rutherford

CERTIFICATES OF THE SCHOOL OF COMMERCE—4

Paul Albert Hagelin
 Richard Vitus Koupal

Winfield Kirkwood Miller
 Everett B. Scott

THE SCHOOL OF AGRICULTURE CERTIFICATE OF GRADUATION—97

Alvord Rosen Anderson
 Anton Biba
 Marie A. Bouchard
 Georgia Anna Brich
 Bernice Helen Brown
 George Albert Brown
 Lillian Aileen Brown
 Anna Agnes Bulin
 Luther Longstreet Burt
 Helen Bernice Butler
 Angus Campbell
 Erwin Russell Carpenter
 Ivan Henry Carpenter
 Frank Alonzo Carver
 Glenn Harold Chase
 Chris Lauriths Christensen
 Ezra Christensen
 Archie Henry Clegg
 George Byron Cochran
 Frank Walter Conley
 Birdie Gladys Craig
 Lee James Cramb
 Fern Mabel Davis
 Florence Evadna Dawson
 Jeannette Downing
 Sadie Dullenty
 Lillian Estelle Elfeldt
 Eugenia Frost
 Roy Michael Gannon
 William Connor Gilbert
 Ernest Ginther
 Sidney Robert Goodfellow
 James Albert Griffiths
 Marjory Hall
 Summer B. Hall
 Lloyd Steele Hanna
 John Ernest Harrison
 Hazel Laura Haskell
 Alvah Ross Hecht
 Louis Henry Hector
 Jessie May Hepperly
 Bernard B. Heuermann

Clifford Lee Hotchkiss
 Emilie Hromas
 Carroll Caraway Jenkins
 Daniel Jensen
 Marie Oma Johnson
 Russell Harrison Jose
 Elizabeth Merle Kallemeyn
 Albert Clifford Kavan
 Orion Allen Kennedy
 Charles Faye Kingsolver
 Viola Lina Koerner
 Frank Morrison Kohler
 Alfred William Krueger
 Viola Elizabeth Leavitt
 Ruth Elizabeth Lehmkuhl
 Carl Ludwig Liebers
 Marie Frieda Luksik
 Warren Jennings McCormick
 Ethel Magee
 Fred Edward Mammen
 Lola Mollie Marshall
 Wilber Benjamin Marshall
 George Adrian Miller
 Willard Joseph Mintling
 Arthur John Moseman
 Mary Helen Nelson
 Paul Vincent Ohlheiser
 Faye Luella Parker
 Margaret Dora Parker
 Mabel Taylor Petersen
 John David Phillips
 Frank Ernest Pierce
 Violet Marie Pierce
 Merritt Fuller Pollard
 Freda Jane Pope
 Walter Andrew Renard
 Arthur Ira Rogers
 Morris Emanuel Rosene
 Harry A. Russell
 Walter Wayne Sanborn
 Rudolph Marion Sandstedt
 Edith Schlytern

Hubert Duncan Sinclair
 Ada Anna Stech
 Fred Benedict Swanson
 Florence Irene Talbot
 Guy William Talbot
 John Thurston Temple
 Paul John Thomsen

Elisha Marquette Throckmorton
 Robert Bruce Vorse
 Esther Elizabeth Ward
 George Chester Warner
 Russell Clark Wintermute
 Florence Marian Wood

THE NEBRASKA SCHOOL OF AGRICULTURE (CURTIS) CERTIFICATE OF GRADUATION—18

Roy Melville Ames
 Cora Alice Burton
 Neil Thompson Chadderdon
 Hazel Irene Cronk
 Lynn Everett Cossgrave
 Floyd Lisle Ferrell
 Bennett Fred Heckelman
 Eustina Louise Heckelman
 Grace Margaret Kirkwood

Gilbert Lockwood Moore
 Nellie Price
 Ilma Razee
 Theresa fe Delia Reeves
 Laura May Rice
 Elzina Emma Scherer
 Neva Lucile Taylor
 Selina Jane Ward
 Hazel Alpha Wyckoff

THE TEACHERS COLLEGE HIGH SCHOOL CERTIFICATE OF GRADUATION—31

Eva Margaret Allen
 Vivien E. Barrett
 Cora Bolar
 John Frederick Eisele
 Sybil Elsie Everett
 Wilhelmina Ruth Fischer
 Alfred Hanapel
 Walter Mahon Herbert
 Caroline J. Horton
 Benjamin Bernhard Kies
 Annabell Mann
 Carl William Manke
 Bertha Hannah Megee
 Florence Panthea Mills
 Jer-Roma Josephine Mitchell
 Sylvie J. Nikl

Ellen Pauline Nordstrom
 Emory Leroy O'Connell
 Margaret Frances Osborn
 Ida Estella Perrin
 Luvern Marie Polk
 Anna Bertha Reinke
 John Roach Roberts
 Martha Leola Sell
 Irene Casper Shuff
 Vera Xemina Taylor
 Seth Charles Henry Taylor
 Mabelle LaMay Venner
 Irene Elizabeth Walker
 Fern Elizabeth Prudence Wright
 John Wubbles

THE ELEMENTARY STATE TEACHERS CERTIFICATE FOR GRADUATES OF THE SCHOOL OF AGRICULTURE—10

Anna Agnes Bulin
 Florence Evadna Dawson
 Marjory Hall
 Hazel Laura Haskell
 Emilie Hromas

Elizabeth Merle Kallemeyn
 Alfred William Krueger
 Marie Frieda Luksik
 Faye Luella Parker
 Violet Marie Pierce

THE ELEMENTARY STATE TEACHERS CERTIFICATE FOR GRADUATES OF THE TEACHERS COLLEGE HIGH SCHOOL—14

Cora Bolar
 John Frederick Eisele
 Sybil Elsie Everett
 Wilhelmina Ruth Fischer
 Caroline J. Horton
 Annabell Mann
 Bertha Hannah Megee

Florence Panthea Mills
 Ellen Pauline Nordstrom
 Anna Bertha Reinke
 Martha Leola Sell
 Vera Xemina Taylor
 Fern Elizabeth Prudence Wright
 John Wubbles

STATE MILITARY COMMISSION

UNIVERSITY

Majors—Archer Lowell Burnham, William Calvin Chapin, Charles Albert Hauptman, Leon Archibald Hickman.

Captains—Stuart Kenneth Clark, Willard Miller Folsom, Irving Karl A. Frost, Vincent Columbus George, Raymond Clifton Leach Greer, Howard Hadley, Walter Hall, Clinton Steele Holcombe, Richard Vitus Koupal, Darrall Thomas Lane, James Lloyd McMaster, Leon Martin Palmer, Franz Henry Paustian, Melvin Henry Schlesinger, Paul Nathaniel Temple.

First Lieutenants—Walter Elsworth Hager, Ulysses Severin Harkson, Gene Forrest Lieben-dorfer, Glenn Eugene Miller, Harold Jacob Schwab, William Kenneth Snyder, Wilmer LaVern Wright.

Second Lieutenant—John Fred Nelson.

SCHOOL OF AGRICULTURE

Major—Arthur Ira Rogers

Captains—Alvah Ross Hecht, Carroll Caraway Jenkins, Frank Morrison Kohler, Wilber Benjamin Marshall, Paul Vincent Ohlheiser

First Lieutenants—Frank Alonzo Carver, George Byron Cochran, John Ernest Harrison, Carl Ludwig Liebers, Morris Emanuel Rosene

Second Lieutenants—Alvord Rosen Anderson, Anton Biba, Angus Campbell, William Conner Gilbert, Sumner B. Hall, Louis Henry Hector, Orion Allen Kennedy, Frank Ernest Pierce, Paul John Thomsen, Russell Clark Wintermute.

GRADUATE STUDENTS IN 1916-1917

Candidates for the Degree of Doctor of Philosophy

Andersen, Emma Nathalie.....	Lincoln
A. B. 1910, A. M. 1913, The University of Nebraska	
Botany	
Bengtson, Nels August.....	Lincoln
A. B. 1907, A. M. 1908, The University of Nebraska	
Geography, Geology	
Bradbury, Ora Clare.....	Lincoln
B. Sc. 1914, Ottawa University; A. M. 1915, The University of Nebraska	
Zoology, Botany	
Burrage, Dwight Grafton.....	Lincoln
A. B. 1897, A. M. 1899, Amherst College	
Greek, Latin, Sanskrit	
Clark, Letta May.....	University Place
A. B. 1905, Nebraska Wesleyan University; A. M. 1913, The University of Nebraska	
English Language and Literature	
Crago, Alfred.....	Lincoln
A. B. 1905, A. M. 1916, The University of Nebraska	
Education, Philosophy, Political Science	
Fitzpatrick, Thomas J.....	Bethany
B. Sc. 1893, M. Sc. 1895, Iowa State College	
Botany	
Fulk, Joseph Richard.....	Lincoln
A. B. 1903, A. M. 1912, The University of Nebraska; A. M. 1915, Columbia University	
Education, Philosophy, Political Science and Sociology	
Gish, Edna Miller.....	Lincoln
B. Sc. 1913, A. M. 1915, The University of Nebraska	
Chemistry, Physics, Mathematics	
Jenkins, Thomas Nicholas.....	Neligh
A. B. 1915, A. M. 1916, The University of Nebraska	
Philosophy, Physics	
Klotsche, Ernst Heinrich.....	Lincoln
Certificate 1899, Leipsig Gymnasium; A. M. 1916, The University of Nebraska	
Greek, Sanskrit	
Lacey, Herbert Camden.....	College View
A. B. 1893, Battle Creek; A. M. 1915, Union College; A. M. 1916, The University of Nebraska	
Greek, Latin, Sanskrit	
Lewis, Garland Edison.....	Lincoln
B. Sc. 1909, Grand Island College; A. M. 1913, The University of Nebraska	
Chemistry, Physics, Pharmacy	
Munson, Grace Esther.....	Lincoln
A. B. 1911, The University of Nebraska; A. M. 1912, Wellesley College	
Education, Philosophy	
Noll, William Clarence.....	Toledo, Iowa
A. B. 1911, York College; A. M. 1915, The University of Nebraska	
Zoology	
Perusse, Francis Joseph.....	Lincoln
B. Sc. 1914, The University of Nebraska	
Chemistry, Geology, Pharmacology	

ROSTER OF STUDENTS

513

Reinsch, Frank Herman	Lincoln
A. B. 1909, A. M. 1912, The University of Nebraska	
English Language and Literature	
Rowell, Eugene Clark	College View
A. B. 1910, Union College; A. M. 1916, The University of Nebraska	
English Language and Literature	
Runge, Lulu Lillian	Lincoln
A. B. 1905, A. M. 1909, The University of Wisconsin	
Mathematics, Education	
Sowell, James William	Omaha
A. B. 1900, The University of Nebraska; A. M. 1903, Gallaudet College	
English Language and Literature	
Thompson, Harry Landis	Lincoln
B. Sc. 1912, A. M. 1914, The University of Nebraska	
Pharmacy, Pharmacology	
Ward, Nellie Marguerite	Lincoln
B. Sc. 1913, A. M. 1915, The University of Nebraska	
Physics	
Warden, Carl John	Lincoln
A. B. 1915, Cotner University; A. M. 1916, The University of Nebraska	
Philosophy, Education, Zoology	
Wooster, Margaret	Silver Creek
A. B. 1913, A. M. 1915, The University of Nebraska	
Philosophy, Germanics, English Language and Literature	

Candidates for the Degree of Master of Arts

Abbott, Hattie Belle	Downs, Kansas
A. B. 1916, Union College	
English Language and Literature	
Abbott, Roscoe Conklin	Wood River
B. Sc. 1910, The University of Nebraska	
Chemistry	
Adams, Frank Flanders	Lincoln
B. E. 1913, Peru State Normal	
Education, Philosophy, Biology	
Alden, Charles Niles	Ceresco
A. B. 1908, The University of Nebraska	
Latin	
Allen, Helen Eulalia	Auburn
A. B. 1915, Bellevue College	
English Language and Literature, Education	
Alexander, Mary Charlotte	Lincoln
A. B. 1901, The University of Nebraska	
English Language and Literature	
Almy, Emory Frederick	Greenwood
B. Sc. 1916, The University of Nebraska	
Agricultural Chemistry	
Anderson, Alberta Beck	Lincoln
A. B. 1909, The University of Nebraska	
Political Science and Sociology, Philosophy	

Anderson, Esther Sanfrieda.....	Lincoln
B. Sc. 1915, The University of Nebraska	
Geography	
Anderson, Mary Annette.....	Lincoln
A. B. 1915, The University of Nebraska	
English Language and Literature, Education	
Andrews, Gordon George.....	College View
A. B. 1912, Union College	
European History	
Apperson, Catherine LaMaster.....	Lincoln
A. B. 1915, The University of Nebraska	
Romance Languages	
Armstrong, Amy Eleanor.....	Syracuse
A. B. 1914, The University of Nebraska	
Philosophy, English Language and Literature	
Ash, Irvin Oda.....	Middlebourne, West Virginia
A. B. 1914, University of West Virginia	
Education	
Ask, Mihran Nicholas.....	Lincoln
A. B. 1916, Union College	
Philosophy	
Aygarn, Edwin.....	Elkhorn
A. B. 1913, University of Minnesota	
American History, Political Science	
Babbitt, Bethel Jay.....	Houghton, New York
A. B. 1916, Oberlin College	
Physics	
Baker, Edyth Estelle.....	Lincoln
A. B. 1908, The University of Nebraska	
Botany	
Beyer, Eric Alexander.....	Atchison, Kansas
A. B. 1916, Midland College	
Germanics	
Beynon, Abi Elizabeth.....	Lincoln
A. B. 1917, The University of Nebraska	
Political Science and Sociology	
Bigelow, Clarence Ray.....	Harrison
A. B. 1917, The University of Nebraska	
American History	
Biggelstone, Ruth Rieke.....	Lincoln
A. B. 1914, Morningside College	
English Language and Literature, Education	
Bishop, Frank Edward.....	University Place
A. B. 1916, Nebraska Wesleyan University	
Agronomy	
Blackstone, Elmer Orton.....	Lincoln
A. B. 1917, The University of Nebraska	
Political Science and Sociology	
Bowers, Charles Arthur.....	York
A. B. 1913, York College	
Education	

Bradford, Harry Elwyn.....	Lincoln
A. B. 1904, The University of Nebraska Education, Agronomy	
Briggs, Lena.....	Kearney
A. B. 1914, The University of Nebraska European History	
Brock, Lucile Elizabeth.....	Bethany
A. B. 1913, Cotner University English Language and Literature	
Brower, Mary Letitia.....	Fullerton
A. B. 1908, The University of Nebraska European History	
Brown, Edna May.....	Lincoln
A. B. 1914, The University of Nebraska Education	
Burgess, Edith.....	Bethany
A. B. 1913, Cotner University English Language and Literature, Education	
Burnham, Archer Lowell.....	Stanton
A. B. 1916, The University of Nebraska Political Science and Sociology, Education	
Calvin, John Willard.....	Lincoln
B. Sc. 1906, Kansas Agricultural College Agricultural Chemistry	
Cameron, Janet Grey.....	Lincoln
A. B. 1911, The University of Nebraska American History	
Cannell, Katherine.....	Lincoln
A. B. 1913, The University of Nebraska Germanics	
Carey, Raymond Burdette.....	Fairbury
A. B. 1913, Nebraska Wesleyan University English Language and Literature, Education	
Carlson, Knute Emil.....	Wahoo
A. B. 1915, The University of Nebraska Political Science and Sociology, American History	
Christensen, Arthur Charles.....	College View
A. B. 1913, Union College Chemistry	
Clark, Grace Maria.....	Lincoln
A. B. 1907, The University of Nebraska Education	
Collett, Clinton Ellsworth.....	Gothenburg
A. B. 1908, Nebraska Wesleyan University Geography	
Cook, Warren Sanford.....	Lincoln
A. B. 1916, The University of Nebraska Education, Philosophy	
Cooper, John Ralph.....	Lincoln
B. Sc. 1912, Kansas Agricultural College Horticulture	

Cowan, Ralph Ellis.....	Lincoln
A. B. 1912, Oberlin College	
Zoology	
Craft, Magdalene.....	Tecumseh
A. B. 1916, The University of Nebraska	
Germanics, Political Science and Sociology	
Cummins, Mildred Louise.....	Lincoln
A. B. 1915, The University of Nebraska	
English Language and Literature, Education	
Damsgard, Lincoln Clarence.....	College View
A. B. 1913, Union College	
Physics	
Denny, Glaideth Gainever.....	Lincoln
A. B. 1908, The University of Nebraska	
Germanics	
Dilworth, Cora Williams.....	Lincoln
A. B. 1916, The University of Nebraska	
Romance Languages, Education	
Drake, Robert James.....	Lincoln
A. B. 1914, The University of Nebraska	
American History	
Dry, Lawrence.....	Lincoln
A. B. 1915, Cotner University	
Political Science and Sociology	
Everett, Earl Alexander.....	Mullen
A. B. 1916, Grand Island College	
Political Science and Sociology	
Faulhaber, Marie Helen.....	Lincoln
A. B. 1915, Nebraska Wesleyan University	
Education, Philosophy	
Finley, Ethan Clyde.....	Omaha
A. B. 1901, The University of Nebraska	
American History	
Fleming, William.....	Ansley
A. B. 1914, Grand Island College	
Political Science, American History	
Forsyth, Gladys McCue.....	College View
A. B. 1916, Leland Stanford University	
Mathematics, Education	
Foster, Bess.....	Sterling
A. B. 1914, The University of Nebraska	
English Language and Literature, Education	
Frum, Mary Alice.....	Shelby, Iowa
A. B. 1910, The University of Nebraska	
American History, Education	
Fulton, Arturo Joseph.....	Whitman
B. Sc. 1898, Union College	
Political Science, Education	
Gaddis, Porter Lemuel.....	Lincoln
A. B. 1908, Greenville College; B. Sc. 1916, The University of Nebraska	
Agronomy, Farm Management	

ROSTER OF STUDENTS

517

Graham, William Wayne.....	Julian
A. B. 1906, York College Education	
Gray, Viola Clarke.....	Lincoln
A. B. 1902, The University of Nebraska English Literature	
Green, Katherine Mills.....	Lincoln
A. B. 1906, The University of Nebraska Political Science and Sociology	
Green, Lucy Garrison.....	Lincoln
A. B. 1898, The University of Nebraska English Language and Literature, American History	
Griesel, August George.....	Lake Norden, South Dakota
B. Ph. 1914, Sioux Falls College American History, Education	
Haag, Grace Clarabelle.....	Clay Center
A. B. 1915, The University of Nebraska English Language and Literature, Education	
Hayes, Fred Elmer.....	Stanton
A. B. 1908, The University of Nebraska American History	
Hibben, Robert Cann.....	Lincoln
B. Sc. 1916, Iowa State College Dairy Husbandry	
Hiller, William John.....	Lincoln
A. B. 1915, University of Michigan Economics	
Himes, Minnie Grimstead.....	Bethany
A. B. 1917, Cotner University English Language and Literature, Political Science and Sociology	
Hooton, Mary Belle.....	Lincoln
A. B. 1913, The University of Nebraska English Language and Literature, Education	
Houston, Sallie Davis.....	Sheldon, Missouri
A. B. 1902, Cottey College English Language and Literature	
Hudson, Roy William.....	Hayes Center
A. B. 1916, Nebraska Wesleyan University Physics	
Hughes, Gwendolyn.....	Lincoln
A. B. 1916, The University of Nebraska Political Science and Sociology	
Hunter, Myrtle Elizabeth.....	Lebanon
Ph. B. 1909, Bellevue College Latin	
Jean, Frank Covert.....	Lincoln
A. B. 1911, The University of Nebraska Botany, Education	
Johnson, Nora Olive.....	Bussey, Iowa
A. B. 1913, Drake University Germanics	

Johnson, Tressa Beatrice.....	College View
A. B. 1916, The University of Nebraska	
Philosophy	
Jones, Olive Mildred.....	Hastings
A. B. 1911, The University of Nebraska	
Philosophy, Education	
Kano, Hisanori.....	Tokio, Japan
A. B. 1916, Tokio Imperial University	
Farm Management	
Kellogg, Charles Edward.....	Red Cloud
A. B. 1912, Doane College	
Animal Husbandry, Farm Management	
Kidd, Clifford Manzer.....	Kenesaw
A. B. 1914, Nebraska Wesleyan University	
Economics	
Kuhn, Ada Ruth.....	Lincoln
A. B. 1915, The University of Nebraska	
Political Science and Sociology	
Kuns, David Raymond.....	Humboldt
A. B. 1912, York College	
Education	
Lackey, Earl Emmett.....	Wayne
A. B. 1911, The University of Nebraska	
Geography	
Lathrop, Edith Anna.....	Lincoln
A. B. 1903, The University of Nebraska	
Education, Philosophy	
Lee, Yong Kiu.....	Lincoln
B. Sc. 1916, The University of Nebraska	
Chemistry	
Lefler, Millard Charles.....	Peru
B. E. 1911, Peru State Normal	
Education	
Lind, Johannes Victor.....	Wahoo
A. B. 1912, Augustana College	
Philosophy	
Littler, Keitha.....	Missouri Valley, Iowa
A. B. 1913, Grinnell College	
English Language and Literature, Education	
Lively, Charles Elson.....	Lushton
A. B. 1917, The University of Nebraska	
Political Science and Sociology, Education	
Lynch, Lindon Lamar.....	Lincoln
B. Sc. 1915, The University of Nebraska	
Chemistry	
McClintock, Mabel.....	Bethany
A. B. 1913, Cotner University	
English Language and Literature	
McGee, Ruby Dell.....	College View
A. B. 1913, Union College	
Education	

ROSTER OF STUDENTS

519

McKelvie, Estelle.....	Red Cloud
A. B. 1913, University of Minnesota	
English Language and Literature	
Magnuson, Harry Peter.....	Gothenburg
B. Sc. 1916, The University of Nebraska	
Agricultural Chemistry, Botany	
Mandalian, Jacob Garabet.....	College View
A. B. 1916, Union College	
European History, English Language and Literature	
Mapes, Charles Boyd.....	Peru
B. E. 1917, Peru State Normal	
Education, Philosophy, Political Science and Sociology	
Marrs, Ralph Merton.....	Bayard
A. B. 1917, The University of Nebraska	
Political Science and Sociology	
Mathewson, Louise.....	Lincoln
A. B. 1915, The University of Nebraska	
Philosophy	
Mickle, Guy Ellsworth.....	Crete
A. B. 1913, Doane College	
Chemistry	
Moyer, Torrence Calvin.....	Lincoln
A. B. 1911, M. D. 1914, The University of Nebraska	
Zoology	
Naber, Gerhard John.....	Waco
A. B. 1917, The University of Nebraska	
Germanics	
Noble, Homer Adelbert.....	Lincoln
B. Sc. 1916, The University of Nebraska	
Botany, Geography	
Parminster, Hugh Ernest.....	Elmwood
A. B. 1911, Cotner University	
Education	
Partridge, Edwin Maynard.....	Omaha
B. Sc. 1916, The University of Nebraska	
Chemistry	
Power, Marchelle Harnly.....	Lincoln
A. B. 1917, The University of Nebraska	
Chemistry	
Premier, Chancy Lloyd.....	College View
A. B. 1915, Union College	
European History	
Price, Ruth Amelia.....	Lincoln
A. B. 1909, The University of Nebraska	
Education	
Rabak, William.....	Lincoln
B. Sc. 1915, University of Wisconsin	
Agricultural Chemistry	
Raub, Leo Gerrard.....	Oleon, New York
A. B. 1916, Oberlin College	
Physics	

Reason, Arthur Wesley.....	Omaha
A. B. 1913, Howard University	
Political Science and Sociology, Education	
Reed, Isa Dolores.....	Lincoln
A. B. 1911, The University of Nebraska	
Philosophy	
Reed, Merrill Virgil.....	Lincoln
A. B. 1914, The University of Nebraska	
Botany	
Reynoldson, Addie.....	St. Edward
A. B. 1904, The University of Nebraska	
American History, Education	
Rice, Louise Bessey.....	Sioux Falls, South Dakota
A. B. 1914, The University of Nebraska	
English Language and Literature	
Rhoden, Beulah Richard Harold.....	Lincoln
A. B. 1916, The University of Nebraska	
Zoology, Chemistry	
Rigdon, Harry Pryor.....	Fairbury
B. Sc. 1916, The University of Nebraska	
Botany	
Rolofson, Pearl.....	Lincoln
A. B. 1914, The University of Nebraska	
Political Science and Sociology, German	
Rough, Emily Violet.....	Weeping Water
A. B. 1913, Nebraska Wesleyan University	
English Language and Literature	
Ruby, Glen Mathew.....	Lincoln
B. Sc. 1916, The University of Nebraska	
Geology	
Schade, Arthur Lawrence.....	Lincoln
A. B. 1916, The University of Nebraska	
Economics	
Severin, Richard Otto.....	Lincoln
A. B. 1911, The University of Nebraska	
Education	
Shanek, Bertha.....	Odell
A. B. 1912, The University of Nebraska	
Slavonic	
Showalter, Donald Fox.....	Davenport
A. B. 1916, The University of Nebraska	
Philosophy, Education	
Shutt, Rosecoe E.....	Lincoln
B. Sc. 1916, The University of Nebraska	
Geology	
Smith, Arthur Lawrence.....	Lincoln
A. B. 1912, The University of Nebraska; M. D. 1913, Rush Medical College	
Bacteriology	
Snell, Hazel Frost.....	Lincoln
A. B. 1912, The University of Nebraska	
Political Science and Sociology	

ROSTER OF STUDENTS

521

Staley, Alvah	A. B. 1901, The University of Nebraska Education	Superior
Steckelberg, Anna Louise	B. Sc. 1914, Kansas Agricultural College English Language and Literature	Plymouth
Stilwell, Charles F.	B. Sc. 1901, Nebraska Wesleyan University Education	Lincoln
Stimson, James Miller	B. Sc. 1899, Iowa State College American History, Education	Pawnee, Oklahoma
Stockman, Harold John	A. B. 1916, The University of Nebraska Chemistry	University Place
Stone, Carl Bernard	A. B. 1916, Bethany College Chemistry	Lincoln
Stout, Humbert Gambetta	A. B. 1914, Nebraska Wesleyan University Education	Overton
Strähle, John Jacob	A. B. 1916, Union College Economics and Commerce	Beaver City
Swanson, Mabel Eleanor	A. B. 1908, The University of Nebraska Botany, Education	Holdrege
Tanner, Herbert Giles	B. Sc. 1915, Ottawa University Chemistry	St. Louis, Missouri
Taylor, Florence Leo	A. B. 1913, Union College Romance Languages	College View
Theisen, Henry Herbert	A. B. 1915, The University of Nebraska Education	West Point
Therkelsen, Carrie Chmelka	A. B. 1914, The University of Nebraska American History, Germanics	Lincoln
Thiel, Albert Frederick	A. B. 1916, University of Minnesota Botany	Lincoln
Thomas, Clyde Samuel	A. B. 1914, The University of Nebraska Pharmacology	Omaha
Thompson, Benjamin Harrison	B. Sc. 1916, The University of Nebraska Dairy Husbandry	Lincoln
Thomson, Ray Thomas	B. Sc. 1915, The University of Nebraska Botany	Orchard

Thorson, Theodore.....	Lincoln
B. Sc. 1915, Iowa State College	
Dairy Husbandry	
Towne, Jessie Margaret.....	Omaha
A. B. 1916, The University of Nebraska	
Greek	
Trout, Linneaus Robert.....	Table Rock
A. B. 1909, York College	
Education	
Vose, Leonard Owen.....	Lincoln
B. Sc. 1917, The University of Nebraska	
Bacteriology	
Ward, Ida Amine.....	Litchfield
A. B. 1914, The University of Nebraska	
English Language and Literature	
Ward, Wylie Ray.....	Overton
B. Sc. 1915, The University of Nebraska	
Agronomy	
Warwick, Charles William.....	Dodge
A. B. 1911, Nebraska Wesleyan University	
American History, Political Science and Sociology	
Waters, Winifred Belle.....	Lincoln
A. B. 1910, The University of Nebraska	
Latin	
Watson, Curry Wathan.....	Lincoln
B. Sc. 1916, The University of Nebraska	
Farm Management, Agronomy, Animal Husbandry	
Weinard, Fred Francis.....	Lincoln
B. Sc. 1916, The University of Nebraska	
Botany	
Werner, Alfred Henry.....	University Place
A. B. 1916, The University of Nebraska	
Agricultural Engineering	
Weseen, Maurice Harley.....	Ames, Iowa
A. B. 1914, The University of Nebraska	
English Language and Literature	
Westhoff, James.....	Lincoln
A. B. 1916, Nebraska Wesleyan University	
English History, Education	
White, Chesley Frank.....	Wisner
A. B. 1915, Nebraska Wesleyan University	
Philosophy, Education	
White, Helen Ida.....	Edgemont, South Dakota
A. B. 1917, The University of Nebraska	
European History	
Williams, Hobart Floyd.....	Lincoln
B. Sc. 1912, University of Missouri	
Farm Management, Economics	
Wilson, Alva.....	Bethany
B. Sc. 1916, The University of Nebraska; M. D. 1897, Eclectic Medical Institute	
Zoology	

Wilson, Ira Glade.....	Peru
B. E. 1915, Peru State Normal	
English Language and Literature	
Wimberly, Lowry Charles.....	Lincoln
A. B. 1916, The University of Nebraska	
English Language and Literature	
Wolf, Albert Emil.....	Lincoln
A. B. 1907, The University of Nebraska	
Political Science and Sociology	
Wood, Albert Gerard.....	Greeley
A. B. 1909, University of Indiana	
Botany	
Wood, Wilma Melvina.....	Lincoln
A. B. 1908, The University of Nebraska	
Germanics	
Zumwalt, Clerin Thurston.....	Crete
A. B. 1915, Drury College	
Zoology, Political Science and Sociology	

Candidates for the Degree of Master of Science

Colcord, Frank Maynard.....	Lincoln
B. Sc. 1915, University of Illinois	
Dairy Husbandry	
Colman, Howard Notson.....	Lincoln
A. B. 1915, B. Sc. 1915, The University of Nebraska	
Dairy Husbandry	
Lewis, Frank Clark.....	Lincoln
B. Sc. 1913, Kansas Agricultural College	
Agricultural Engineering	

Candidates for the Degree of Master of Science in Agricultural Engineering

Kable, George Wallace.....	Lincoln
B. Sc. 1914, University of California	
Seaton, Laurence Froyd.....	Lincoln
B. Sc. 1911, The University of Nebraska	

Candidate for the Degree of Master of Science in Electrical Engineering

Selleck, John Kent.....	Chicago, Illinois
B. Sc. 1912, The University of Nebraska	

Graduate Students Without Reference to a Degree

Anderson, James Thomas.....	Ashland
A. B. 1916, Nebraska Wesleyan University	
Anderson, Lawrence Raymond.....	College View
A. B. 1904, Union College; A. B. 1909, The University of Nebraska	
Ashby, Ruth.....	Fairmont
A. B. 1917, The University of Nebraska	

Aul, William Eugene Adolphus	College View
B. Sc. 1897, M. Sc. 1899, Battle Creek College; A. M. 1912, The University of Nebraska	
Bailey, Rachel McGee	College View
A. B. 1914, Union College	
Baros, Eunice A.	Milford
A. B. 1915, The University of Nebraska	
Barstow, Louise Whittlesey	Fremont
A. B. 1914, Doane College	
Bastron, Carl Heinrich	Lincoln
B. Sc. 1914, M. D. 1916, The University of Nebraska	
Beck, Earl Clifton	Panama
A. B. 1915, A. M. 1916, The University of Nebraska	
Becker, Arthur Frederick	Lincoln
A. B. 1904, The University of Nebraska	
Benson, Elsie Andrews	College View
A. B. 1904, Union College	
Blue, Elmer Cassius	College View
A. B. 1914, Union College	
Bollman, Edwin	Lincoln
A. B. 1886, Carthage College; A. M. 1910, Augustana College	
Boyd, Ida Cook	Lexington
A. B. 1905, The University of Nebraska	
Boyd, Ralph Woodside	Fremont
B. Sc. 1916, Coe College	
Brereton, Winifred	Emmetsburg, Iowa
A. B. 1913, Grinnell College	
Brown, Charles Neil	Lincoln
A. B. 1914, The University of Nebraska	
Brown, Sadie Reye	Minden
A. B. 1915, The University of Nebraska	
Brunig, Morton Paul	Hebron
A. B. 1916, Nebraska Wesleyan University	
Bryan, Edna Elizabeth	Lincoln
B. Sc. 1910, The University of Nebraska	
Burr, George Lawrence	Lincoln
A. B. 1915, The University of Nebraska	
Campbell, Harold Ray	Osceola
B. Sc. 1916, The University of Nebraska	
Canfield, Sarah Wright	Tecumseh
A. B. 1916, The University of Nebraska	
Chaikin, Annis	Lincoln
A. B. 1908, A. M. 1910, The University of Nebraska	
Chapin, Eunice Spalding	Lincoln
A. B. 1915, The University of Nebraska	
Chung, Henry	Kearney
A. B. 1917, The University of Nebraska	
Clark, Ellen Elizabeth	Lincoln
A. B. 1906, The University of Nebraska	
Colbert, Elvice Morton	Harrison
A. B. 1910, Valparaiso University	

Conley, Robert Andrew.....	Lincoln
A. B. 1915, Cotner University	
Colpitts, Mary Alice.....	Point de Butte, N. B., Canada
A. B. 1913, Mt. Allison University; A. M. 1914, Cornell College	
Craig, Clara Louisa.....	Lincoln
A. B. 1903, The University of Nebraska	
Crawford, Robert Platt.....	Lincoln
A. B. 1917, The University of Nebraska	
Crosbie, Milo Havilah.....	Central City
Ph. B. 1909, Nebraska Central College	
Curtis, Scena Hansen.....	Lincoln
A. B. 1907, The University of Nebraska	
Davis, Elton Ray.....	Trenton, Missouri
B. Sc. 1913, University of Missouri	
Day, Alice Ellen.....	Ralston
A. B. 1915, The University of Nebraska	
Dohner, Florence Lyman.....	Lincoln
A. B. 1911, A. M. 1915, The University of Nebraska	
Eichberg, Lydia Louise.....	University Place
A. B. 1914, Nebraska Wesleyan University	
Ellis, Robert Walpole.....	Lincoln
B. Sc. 1897, University of South Dakota; A. M. 1910, University of Wisconsin	
Ewing, Halle Laura.....	Lincoln
M. D. 1899, University of Michigan; A. B. 1911, A. M. 1912, The University of Nebraska	
Ferguson, Ollin Wayman.....	Lincoln
B. Sc. 1903, Ohio State University	
Filley, Horace Clyde.....	Lincoln
A. B. 1903, A. M. 1911, The University of Nebraska	
Finley, Howard John.....	Grand Island
A. B. 1915, Grand Island College	
Foster, Celia.....	Lincoln
A. B. 1908, The University of Nebraska	
Frost, Roland Meredith.....	Lincoln
A. B. 1913, The University of Nebraska	
Glass, Jessie June.....	Lincoln
A. B. 1909, The University of Nebraska	
Gramlich, Louis Trumble.....	Lincoln
B. Sc. 1913, The University of Nebraska	
Gutberlet, Samuel Archibald.....	Lincoln
A. B. 1915, The University of Nebraska	
Hagelin, Paul Albert.....	Wahoo
A. B. 1916, The University of Nebraska	
Hayden, Myrtle Gladys.....	University Place
A. B. 1910, Nebraska Wesleyan University; A. M. 1914, The University of Nebraska	
Heckler, Bernice.....	Lincoln
A. B. 1916, The University of Nebraska	
Hiatt, Lulu Blanche.....	College View
A. B. 1912, Union College	
Hiatt, Marjette May.....	Sidney, Iowa
A. B. 1914, The University of Nebraska	

Hill, Arthur Lorn.....	Crete
A. B. 1912, Doane College	
Hobson, Cloy St. Clair.....	Beaver City
A. B. 1916, The University of Nebraska	
Holaday, Lillie Maurine.....	Lincoln
B. Sc. 1900, Union College	
Irwin, James La Vergne.....	Chadron
B. Ed. 1916, Chadron Normal	
Jackson, Mary Frances.....	Lincoln
B. Sc. 1898, The University of Nebraska	
James, Jessie Gertrude.....	Lincoln
A. B. 1916, The University of Nebraska	
Kellog, Jessie May.....	Red Cloud
A. B. 1906, Washington State University	
Kies, Paul Philemon.....	Lincoln
A. B. 1911, Central Wesleyan, Missouri; A. M. 1915, The University of Nebraska	
Kubic, Theodore.....	Clarkson
A. B. 1915, The University of Nebraska	
Kunkel, Margaret Anita.....	Osceola
A. B. 1912, The University of Nebraska	
Lehr, Jessie.....	Surprise
A. B. 1914, Nebraska Wesleyan University	
Lowe, Jessie Opal.....	Fairmont
A. B. 1908, Boston University	
Lyman, Blanche Margaret.....	Lincoln
A. B. 1912, A. M. 1913, The University of Nebraska	
McGahey, Florence Irwin.....	Lincoln
A. B. 1901, The University of Nebraska	
McMahon, Clara Marguerite.....	Lincoln
A. B. 1916, The University of Nebraska	
Magee, Mary Theresa.....	Lincoln
A. B. 1909, St. Joseph's College	
Marrin, Frank Edward.....	O'Neill
A. B. 1911, Creighton University	
Martin, Ruth Elizabeth.....	University Place
A. B. 1914, Nebraska Wesleyan University	
Mathews, Elsie Forest.....	Lincoln
A. B. 1912, The University of Nebraska	
Matzner, Adolph Johann Gustaf.....	Lincoln
Theological Diploma 1902, Eden Theological Seminary	
Miller, Ann Wilson.....	Culbertson
A. B. 1910, The University of Nebraska	
Miller, Louise.....	Lincoln
A. B. 1903, A. M. 1905, The University of Nebraska	
Morris, Nellie Esther.....	Lincoln
B. Sc. 1916, The University of Nebraska	
Nelson, Clara Jeanette.....	Oakland
A. B. 1914, A. M. 1916, The University of Nebraska	
Niehaus, Fred Wilhelm.....	Omaha
B. Sc. 1914, M. D. 1916, The University of Nebraska	

ROSTER OF STUDENTS

527

Nordgren, August Edward	Orchard
A. B. 1914, The University of Nebraska	
Norris, Ferris Waldo	Lincoln
B. Sc. 1916, The University of Nebraska	
Oescheger, Anna Elizabeth	Valparaiso
A. B. 1914, Cotner University	
Olson, Oscar Evald	Swedeburg
A. B. 1916, Gustavus Adolphus College	
Patterson, Sarah Etta	Lincoln
A. B. 1908, University of Missouri	
Persinger, Mary Eudora	Lincoln
A. B. 1910, The University of Nebraska	
Pool, Vera	Minden
A. B. 1916, The University of Nebraska	
Pope, Blanche Emily	Red Cloud
A. B. 1915, The University of Nebraska	
Proudfit, Alice Juliet	Lincoln
A. B. 1916, The University of Nebraska	
Ranney, Edna Louise	Bethany
A. B. 1915, Cotner University	
Reimers, William	Lincoln
A. B. 1913, A. M. 1916, The University of Nebraska	
Rhoades, Elmer Lamont	Lincoln
B. Sc. 1916, University of Missouri	
Richards, Thomas Andrews	Syracuse
A. B. 1916, Grand Island College	
Richardson, Hazel M.	Auburn, Iowa
A. B. 1915, Union College	
Roane, Lucile	Lincoln
A. B. 1916, The University of Nebraska	
Ross, Ralph Robert	Blair
B. Sc. 1912, Armour Institute	
Rummons, Constance	Lincoln
A. B. 1916, The University of Nebraska	
Ryman, Eugene Miles	Lincoln
M. D. 1910, Creighton University	
Savage, Howard Anthony	Lincoln
A. B. 1916, The University of Nebraska	
Savage, Lottie	Lincoln
A. B. 1914, The University of Nebraska	
Schriever, Fred	Dakota City
A. B. 1914, Morningside College	
Schwertley, Alice Katherine	Holdrege
A. B. 1904, The University of Nebraska	
Scott, Robert Douglas	Lincoln
B. Sc. 1904, University of Chicago; A. M. 1910, The University of Nebraska	
Shaffer, Elizabeth Mary	David City
A. B. 1910, The University of Nebraska	
Short, Mamie Frances	Lincoln
B. Sc. 1903, The University of Nebraska	

Skinner, Mary Elizabeth	Lincoln
A. B. 1910, The University of Nebraska	
Smith, Chauncey William	Lincoln
B. Sc. 1914, The University of Nebraska	
Smith, Edwin Erwin	Bethany
A. B. 1907, Cotner University	
Staats, Etta Pearle	Plattsmouth
A. B. 1906, The University of Nebraska	
Stahl, Edith Columbia	University Place
A. B. 1914, Nebraska Wesleyan University	
Stamper, Juan Francisco	St. Louis, Missouri
M. Sc. 1911, Western Normal	
Starr, Elias Franklin	Grand Island
A. B. 1906, Grand Island College	
Steuteville, Mary	Brownville
A. B. 1911, Nebraska Wesleyan University	
Stevenson, Pearl	Auburn
A. B. 1904, The University of Nebraska	
Stewart, Paul Hesden	Kennard
B. Sc. 1916, The University of Nebraska	
Stuftt, Clella	Fairfield
A. B. 1916, The University of Nebraska	
Swanbom, Alaric Roy	Wahoo
A. B. 1913, Gustavus Adolphus College	
Swanson, Alice Amanda	Holdrege
A. B. 1906, The University of Nebraska	
Taylor, Albion Guilford	College View
A. B. 1915, Highland Park College	
Taylor, Charles William	Lincoln
A. B. 1898, The University of Nebraska	
Thomas, Ellamay Colvin	Lincoln
B. Sc. 1912, Kearney State Normal	
Vosacek, Frank Richard	Omaha
B. Sc. 1908, The University of Nebraska	
Wagey, Pearl Alice	Cambridge
A. B. 1913, The University of Nebraska	
Walker, Florence	University Place
A. B. 1911, Nebraska Wesleyan University	
Watson, Julia Pamela	Lincoln
A. B. 1888, Iowa Wesleyan University	
Weaver, Ernest Levi	Wilton, Iowa
A. B. 1905, Nebraska Wesleyan University	
Williamson, Bessie Belle	Galesburg, Illinois
A. B. 1909, Lombard College	
Winkfield, Orange Willis	Watona, Oklahoma
A. B. 1911, S. T. B. 1914, Biddle University	
Winship, Fred C.	Lincoln
B. L. 1904, Nebraska Wesleyan University; A. M. 1910, University of Denver	

ROSTER OF STUDENTS

529

Woodburn, Florence Mildred.....	Lincoln
A. B. 1913, Ottawa University	
Woods, Lucy Truitt.....	Lincoln
A. B. 1909, The University of Nebraska	
Yoder, William Alonzo.....	Omaha
A. B. 1903, The University of Nebraska	

1916-1917

ROSTER OF STUDENTS IN THE COLLEGES¹

Standing granted on the basis of

(1) Baccalaureate Degree, (2) Thirty "Entrance Points" (Complete) or Twenty-eight "Entrance Points" (Conditional) entrance to Freshman Standing, (3) "Adult Special" registration (At least twenty-one years of age)

Abbreviations

Letters indicate college and figures indicate year.

A—College of Arts and Sciences; CA—College of Agriculture; T—Teachers College; E—College of Engineering; L—College of Law; M—College of Medicine; G—Graduate College; Ed—Graduate School of Education; u—Unclassed, or "Adult Special."

Name	College and Year	Home Address
Abbott, Hattie Belle.....	G.....	College View
Abbott, Maurice E.....	A 1.....	Lincoln
Abbott, Merlyn Cecile.....	A 1.....	Edgar
Abbott, Roseoe Conklin.....	G (S).....	Wood River
Abraham, Stella.....	A 1.....	Omaha
Ackerman, Arthur William.....	E 4.....	Lincoln
Ackerman, Meredith Henry Malon.....	A 1, C.....	Stanton
Ackley, Alberta Mildred.....	A 2, (S).....	Odell, Ill.
Acton, Fred.....	E 1.....	Liberty
Adams, Adison Alva.....	CA 1.....	Hastings
Adams, Alfred Lester.....	A 3, C.....	Omaha
Adams, Esther A.....	A 1, (S).....	Waverly
Adams, Florence.....	Au, (S).....	Lincoln
Adams, Frank Flanders.....	G, Ed, (S, Ex.).....	Lincoln
Adams, Georgian.....	A 3, T 3, (S).....	Lincoln
Adams, Jeannette Ione.....	A 2, T 2.....	Eagle
Adams, Jennie Clare.....	CA 1, (S).....	Chambers
Adams, Lelia White.....	Au.....	Lincoln
Adams, Lydia Linnert.....	Au, (FA) (S).....	Lincoln
Adams, Robert Harold.....	A 1, (M).....	Sac City, Ia.
Adamson, Dorothy Evangeline.....	A 3, T3.....	Lincoln
Addleman, Genevieve Christine.....	A 1, FA.....	Hastings
Adkins, Richard Franklin.....	A 2.....	Lincoln
Adler, Leo Joseph.....	E 3.....	Omaha
Adrian, Sidney Earl.....	A 1, (THS, S).....	Nora
Ager, Lela Bernice.....	A 1.....	Lincoln
Aitken, Edith.....	A 1, (S).....	Friend
Aitken, William Inglis.....	A 3, C.....	Lincoln
Aker, Meyrtle Christina.....	CA 2, T 2.....	Harvard
Aker, Nellie.....	A 1, (Ex.).....	Harvard
Albert, Alvin Lorenzo.....	A 3.....	Hartington
Albrecht, Edward Gerald.....	E 1.....	Lincoln
Albright, Edna Jennie.....	A 2, (S).....	Lincoln
Albright, Robert E.....	A 1, (S, Ex.).....	Lincoln
Alden, Jeannette.....	A 2, T 2, (S).....	Lincoln
Alderman, Leota Sara.....	CA 2.....	Stuart

¹Immediately following this roster appear the names of students registered primarily in a secondary school or in University Extension work. No name appears on more than one roster. For definition of letters in parentheses, see second roster immediately following, except that (M) indicates an Academic-Medical student.

ROSTER OF STUDENTS

531

Name	College and Year	Home Address
Aldrich, Harold Newell	A 3	Rosalie
Alexander, David Hamilton	CA 1	Hayes Center
Alexander, Mary Charlotte	G, Ed	Lincoln
Alexander, David Shephard	Au	Chicago, Ill.
Alexis, Johannes Leonard Crispin	CAu	Lincoln
Alexis, Oscar Ebenezer	A 4, T 4	Lincoln
Alexis, Tekla Ida Louise	A 2, T 2, (S)	Lincoln
Allbee, Alice	A 3, T 3, (S)	North Platte
Allen, Alice Linna	A 1	Omaha
Allen, Bessie Angie	Au, (S)	Sioux City, Ia.
Allen, Dewitt M.	A 2, C	Rockford, Ill.
Allen, Elliott Elsworth	A 3	Tobias
Allen, Frank Arthur	CA 3	Tecumseh
Allen, George Augustus, Jr.	CA 1	Inland
Allen, George Washington	A 3, (S, Ex.)	Rifle, Colo.
Allen, Helen Eulalia	G	Auburn
Allen, Mina Grace	CA 3, T 3, (S)	Clay Center
Allensworth, Mary Helen	A 2	Lincoln
Alm, Oscar William	A 4	Opportunity
Almy, Emory Frederick	G	Greenwood
Althouse, Everett John	A 4, C	Nelson
Ames, Burnham B.	A 2	Normal
Amick, Carl Gideon	A 2, (M)	Loup City
Amick, Edith Ina	A 3, T 3, (S, Ex.)	Weeping Water
Andersen, Dagmar Ella	A 3, T 3, (S)	Ruskin
Andersen, Margaret Cecilie	A 3, T 3, (S)	Ruskin
Anderson, Alberta Beck	G, (S)	Lincoln
Anderson, Alfred Carl	L 1	Nehawka
Anderson, Alvord Rosen	CA 1	Concord
Anderson, Amy Pearl	A 2, T 2	Ansley
Anderson, Carl Arthur	A 4, (S)	Wahoo
Anderson, Clare Raymond	A 2, (M)	Omaha
Anderson, Delos Loveland	A 4, C	Crete
Anderson, Edith Marie	A 3, T 3	Lincoln
Anderson, Einar	CA 4	Valley
Anderson, Elmer William	E 4	Louisville
Anderson, Emma Nathalie	G	Lincoln
Anderson, Esther Sanfrieda	G, Ed	Lincoln
Anderson, Evelyn Mary	A 3, T 3	Wausa
Anderson, George William	Au, (S)	Weston
Anderson, Harold Roscoe	L 1	Valentine
Anderson, Harriet Fidelia	4 P 3	Genoa
Anderson, Helen Viola	A 1, FA	Osceola
Anderson, Howard Lloyd	2 P 2	Bridgeport
Anderson, James Thomas	G, (S)	Ashland
Anderson, Lawrence Raymond	G, Ed, (S)	College View
Anderson, Leota Maude	A 1, FA	Ansley
Anderson, Margaret Ardis	A 3	Lincoln
Anderson, Mary Annette	G, Ed	Lincoln
Anderson, Myrna Estella	A 1, FA	Canton, S. D.
Anderson, Oscar Gordon	A 1, C	Aurora
Anderson, Paul Franklin	A 1, C	Lincoln
Anderson, Ralph Earl	A 3, C	Genoa
Anderson, Rose Gustava	A 4, T 4	Gothenburg
Anderson, Ruth June	A 2	Wahoo

Name	College and Year	Home Address
Anderson, Ruth Matilda	A 2, FA	Kearney
Anderson, Walter Lincoln	A 1, (S, Ex.)	Ansley
Andresen, Ezra	E 3	Omaha
Andresen, Wilton Henry	A 2, C	University Place
Andrew, Earl Cranston	Au	Pringhar, Ia.
Andrew, Henry William	A 1	Lincoln
Andrew, Gordon George	G	College View
Andrews, Lyman Henry	A 3	Morrill
Angell, Charles James	L 2	Ulysses
Angell, William Henry	CA 2	Ulysses
Angle, Edward Everett Deputron	A 3, (M)	Lincoln
Anthes, Oliver	A 2, T2	Sutton
Antonides, Florence	Au, (S)	North Platte
Antonides, Mary Esther	A 3	North Platte
Antrim, Jessie Virginia	A 2, T 2	Randolph, Ia.
Antrim, Susie Elizabeth	A 2, T 2	Randolph, Ia.
Aplan, Marie	A 4, T 4	Rushville
Apperson, Catherine	G	Lincoln
Apperson, Sarah	A 3, FA	Lincoln
Apple, Jessie Marie	CA 1	Broken Bow
Applegate, Herald Byron	A 1	Sutherland
Applegate, Lohren Victor	CA 1	Sutherland
Appleman, Bertha Marie	CA 3, T 3	Alvo
Appleman, Gladys Marguerite	A 2, FA	Alvo
Arbuckle, Alta C	A 4, (S, Ex.)	York
Arendt, Lillian Margaret	A 2, T 2	Lincoln
Arenson, Saul Bryan	4 P 4, (S)	Lincoln
Armstrong, Amy Eleanor	G	Syracuse
Armstrong, Paul Everett	A 2, C	Randolph
Arnold, Doris Cornelia	A 2, FA	Excelsior Springs, Mo.
Arnold, Henry J	A 3, (S, Ex.)	Sterling
Arnold, Walter Bryan	E 1	Kearney
Arons, Solomon	CAu, (THS, S)	Lincoln
Arterburn, Lucile Alice	A 2, T 2	Lincoln
Ash, Irvin Oda	G, Ed	Middlebourne, W. Va.
Ash, Nettie Bailey	CA 1	Middlebourne, W. Va.
Ashby, John Sherman	A 1	Fairmont
Ashby, Ruth	G, A 4	Fairmont
Ashton, Edith Mary	CA 1	Milford
Ashton, Thomas Hutchison	CA 1	Lincoln
Ask, Mihran Nicholas	G, Ed	Lincoln
Assenmacher, Frances Ann	A 1	Lincoln
Athey, LeRoy Ralph	A 2	Ord
Atwood, Florence Johnston	CA 3	Beaver City
Atwood, Georgia Fay	A 3, (Ex)	Brunswick
Auble, Roxy Leota	CA 1, (S)	Ord
Augustine, Irving Delmore	A 1	Grand Island
Aukes, John Garhart	A 2	Normal
Aul, William Eugene Adolphus	G	College View
Austin, Fuller	A 1	Lincoln
Austin, Verne	A 2	Lincoln
Axtell, Marguerite Gladys	CA 2	Ingham
Axtell, Marie Emily	CA 4, T4	Lincoln
Aygarn, Edwin	G, (S)	Elkhorn
Ayres, Donald Templin	L2	Lincoln

ROSTER OF STUDENTS

533

Name	College and Year	Home Address
Ayres, Earl Leonard	A 1, C	Lincoln
Babbitt, Bethel Joy	G	Houghton, N. J.
Babbitt, Eunice	A 2	North Platte
Babcock, Austin DeWayne	E 2	Lincoln
Babcock, Elizabeth	A 1	Lincoln
Babcock, J. Blaine	A 1, (M)	Lincoln
Babcock, Leila Lodicea	CA 1	Cambridge
Babcock, Oscar True	A 1	North Loup
Babcock, Ruth Elsie	Au	Lincoln
Babson, Paul Talbot	A 4, C	Seward
Badgette, Bess	A 2	Blooming Grove, Tex.
Baehr, Max Joseph	A 2	St. Paul
Baer, Byron Howard	A 2, (M)	Stanton
Baer, James Garrett	E 1	Pawnee City
Bahensky, Leonard Thomas	E 1	St. Paul
Baier, Bertha Catherine	A 3, (S)	Wood Lake
Bailey, Elmore Russell	A 1 (M)	Omaha
Bailey, Fuller Bryan	M 2	Imperial
Bailey, Louise Sharrard	CA 2	Omaha
Bailey, Rachel McGee	G (S, Ex.)	College View
Bailey, Russell Muriel	A 1	Carleton
Bailey, Thurston Vernon	A 1	Carleton
Bailey, Veda A	A 4, (S)	Lincoln
Baird, Barbara	A 2	Lincoln
Baird, Sarah Adella	Au, (S)	Lincoln
Baker, Amy Leota	A 4, T 4	Geneva
Baker, Burges Bruce	A 1, (M)	Curtis
Baker, Edna Clare	A 1, (Ex.)	Kenesaw
Baker, Edyth Estelle	G	Lincoln
Baker, Esther Lauretta	A 4 T 4, (S)	Lincoln
Baker, Irene Elizabeth	A 2, (S)	Tekamah
Baker, Nina Saxton E	A 2	Lincoln
Baker, Stella Loretta	A 1	Havelock
Balcom, Raymond D	M 1	Crete
Bajderson, Elza Rhoda	A 1, (S)	Cortland
Bajdwin, Cecile Frank	A 4, T 4	Wahoo
Bajman, Richard Eugene	CA 4	Omaha
Bajster, Robert Norman	CA 4	Utica
Ba ng, Roy Titus	CA 1, (SA)	Minden
Bantin, Elmer William	M 3	Omaha
Barber, Ralph Arthur	CA 1	Ord
Barber, Willard Hanford	CA 4	West Pittson, Pa.
Bare, Leigh Edward	A 1	Pilger
Barker, James Hobart	A 2	Pawnee City
Barker, Paulus William	E 2	Rising City
Barnes, Albert Pierpont	A 2, T 2	McCook
Barnes, Angelette	A 3	Holdrege
Barnes, Chester Dwight	A 2, (M)	Tecumseh
Barnes, Earl Daniel	A 1	Ord
Barnes, Emma	CA 2, (S)	Gothenburg
Barnett, Frank Frees	L 1	McCook
Baros, Eunice A	G, (S)	Milford
Barrett, Maude Elma	A 1	Bridgeport
Barstow, Frances Isabella	CA 2	Lincoln
Barstow, Louise Whittlesey	G, Ed, (S)	Fremont

Name	College and Year	Home Address
Barth, Charles Edward	CA 1	Lincoln
Bartlett, Agness Pauline	A 4, (S, Ex.)	Lincoln
Bartlett, Emma Rachel	Au	Vesta
Bartley, Belle Daisy	CAu, (S)	Lincoln
Barton, John Leslie	L 2	Lincoln
Barton, Maude Irene	A 1, FA	Pawnee City
Barwick, Cynthia Thyra	Au	Lincoln
Bastron, Carl Heinrich	G, (S)	Lincoln
Bates, Bertha Clay	CA 3	Lodge Pole
Bates, Doris D	A 1	Lodge Pole
Batman, Camilla Anne	Au, (S)	Nevada, Ia.
Batty, Ralph Grant	4 P 4, (S)	Lincoln
Baughman, Lucile Claire	A 1, FA, (THS)	Griswold, Ia.
Baum, Jessie Jean	A 3, T 3	Lincoln
Bauman, Bernard George	A 2	Grand Island
Bauman, Walter Michael	A 1, C	Grand Island
Baumann, Edward Harry	A 3	Omaha
Bayles, Ella Olive	A 4, (S)	Seward
Bayles, Lucy Merrill	A 3, (S, Ex.)	Seward
Bayless, Roy Jurard	A 1	McCook
Beach, Irving Judson	CA 3	McCook
Beach, Mabeth Margaret	A 4, T 4	Cheyenne, Wyo.
Beacham, Cecil Lee	A 2	Lincoln
Beacham, Mary Emily	Au	Lincoln
Beachler, Jennie	A 1, (S)	Scribner
Beachy, Fern Lydia	A 3	Carlton
Beal, Annabel Lucille	A 1	Broken Bow
Beal, Laura M	Au	Omaha
Beal, Thomas P	Au, (S)	Lincoln
Bean, Maude A	CA 1, (S)	David City
Beans, Leonard William	A 2	Lincoln
Beard, Emma E	A 3, (S)	Aurora
Beardslee, Elbert Clarence	A 4	Lincoln
Beaty, Howard	A 1, (S)	Ashland
Beaumont, Gladys Norton	CA 2	Lincoln
Bechter, Genevieve Mary	A 2, T 2	Pierce
Beck, Benjamin Harlow	A 4, (S)	Lincoln
Beck, Catherine Octavia	A 3, T3, FA	Lincoln
Beck, Elfred	A 3	Lincoln
Beck, Earl Clifton	G, Ed	Panama
Beck, Gerald Henderson	A 3, (Ex.)	Gibbon
Beck, Leo Joseph	A 3	Lincoln
Beck, Milo Eugene	A 2	Wilbur
Beck, Nels	E 1	Lincoln
Beckelhymer, Roy Leonard	A 2	Macomb, Ill.
Becker, Arthur Frederic	G, Ed, (S)	Lincoln
Becker, Lucile Marguerite	A 3, T 3, FA	Pawnee City
Beckman, Edna Myrtle	A 2, T 2, (S)	Stromsburg
Beckord, Leo Victor	A 1, (M)	Waco
Bedford, William Leroy	L 1	Lincoln
Bee, Lois Grace	A 4, (Ex.)	Fairbury
Bee, Mary Frances	CA 2	Fairbury
Beecher, Ruth Allen	A 2, FA	Hastings
Beede, Clark Eli	M 3, (S)	David City
Beede, Ivan Granville	A3	David City

ROSTER OF STUDENTS

535

Name	College and Year	Home Address
Beeler, Myrtle Helen.....	A 3, FA.....	North Platte
Bell, Bernice.....	A 1.....	St. Paul
Bell, J. Ernest.....	CA 4.....	Hardy
Bell, Lyman Gear.....	E 1.....	Tecumseh
Bellows, Ina Marie.....	Au, (S).....	Bethany
Bement, Charles Oliver.....	E 2.....	Humboldt
Benesch, Ella Marie.....	Au.....	Octavia
Bengtson, Nels August.....	G.....	Lincoln
Benner, Catherine Ruth.....	A 1, FA.....	Lincoln
Bennett, Abram Elting.....	A 2, (M).....	Alliance
Bennett, Elinor Marcia.....	A 2, T 2.....	Lincoln
Bennett, Thomas Wade.....	2 P 1.....	Surprise
Bennish, Lyall D.....	A 1, C.....	Pilger
Bennison, Isabel.....	CA 1.....	Lincoln
Bennison, Warren Robert.....	CA 1.....	Lincoln
Benson, Elsie Andrews.....	G.....	College View
Benson, Florence Edithe.....	A 1.....	South Omaha
Benson, Frederic Christian.....	CA 1.....	Odell
Bentley, Mabel Irene.....	A 2, T 2.....	Morrill
Bentz, Ethel Fern.....	CA 3, T 3.....	Fairfield
Berglun, Karl Joe.....	A 2, C.....	Holdrege
Bergman, Clarence.....	E 1.....	Kimball
Bergman, Gunnard Edward.....	A 4, (S).....	Grand Island
Bergquist, Elmer Joseph.....	A 3.....	Atlanta
Bergquist, Roy E.....	CA 2.....	Atlanta
Berkheimer, Bernie Donner.....	L 1.....	Gordon
Berquist, Ida Eleanor.....	Au, (S).....	Lincoln
Berry, Lillian.....	A 2.....	Lincoln
Berry, Myrtle Dixie.....	A 2.....	Lincoln
Berry, Ruth Evangeline.....	A 2, T 2.....	Lincoln
Besack, Bertha Wanda.....	Au, (S).....	Springfield
Best, Russell Rolland.....	A 1, (M).....	Omaha
Bethune, Anna Helen.....	Au, (S).....	Lincoln
Bettis, Gertrude.....	Au.....	Lincoln
Betzer, Clifford Reuben.....	A 3, (Ex.).....	Lincoln
Beyer, Eric Alexander.....	G, (S).....	Atchison, Kans.
Beynon, Abi Elizabeth.....	G, A 4, (S, Ex.).....	Lincoln
Beynon, Ada Mae.....	A 2, T 2.....	Lincoln
Beynon, Alice Blodwen.....	A 1, (S).....	Lincoln
Beynon, Ira David.....	L 2.....	Lincoln
Beynon, Lizzie Hepzibah.....	A 4, (S).....	Lincoln
Bickett, Eliza.....	A 2.....	Superior
Biddlecom, Leonard Skinner.....	A 3.....	Havelock
Bidgood, Orpha.....	CA 3.....	Wood Lake
Bigelow, Clarence Ray.....	G, A4, T 4.....	Harrison
Bigelow, Ellen Lucile.....	A 2.....	Omaha
Bigelow, Francis Dana.....	CA 1.....	Stuart
Bigglestone, Ruth Rieke.....	G, Ed.....	Lincoln
Biles, Edith Gregory.....	A 2, T 2.....	Lincoln
Biles, Helen.....	A 1.....	Pender
Binning, Lloyd.....	A 1.....	Ruskin
Bishop, Florence Marie.....	A 3.....	Central City
Bishop, Frank Edward.....	G.....	University Place
Bishop, Myra Leslie.....	CA 1.....	Lincoln
Bishop, Ralph Seymour.....	Lu.....	Pleasant Dale

Name	College and Year	Home Address
Biskie, Herman Albert.....	CA 4, T 4.....	Juniata
Bittenbender, Ada M.....	G, (Ex.).....	Washington, D. C.
Bixby, Harry Lee.....	A 1.....	Sidney
Bjorkman, Helen Elizabeth.....	A 1.....	Lincoln
Black, Eula Laverta.....	CAu.....	Arnold
Black, Glenn William.....	E 3.....	Lincoln
Black, Howard Louis.....	E 1.....	Rushville
Black, Hugh Harvey.....	CA 1.....	Lincoln
Black, Olive Frances.....	A 3.....	Lincoln
Blackstone, Elmer Orton.....	G, A 4, Ed. (S, Ex.).....	Lincoln
Blair, Helen Wilhelmine.....	A 1.....	Louisville
Blaney, John.....	A 2, C.....	Sutton
Blau, Richard Ernest.....	Au, (Ex.).....	Lincoln
Blihovde, Millie Thresa.....	Au.....	Lincoln
Block, Max.....	M 2.....	Omaha
Bloodgood, Grant.....	E 3.....	Newark
Bloodgood, Nellie Maud.....	A 3, (S, Ex.).....	Newark
Bloodhart, Helen Elizabeth.....	A 2, T 2.....	Bloomfield
Bloomstrand, Harry Kasper.....	A 3, (S).....	Aurora
Blotcky, Paul.....	A 1, C.....	Omaha
Blotz, George Arlington.....	CA 4.....	Albion
Blough, Willie.....	A 1, C.....	Hendley
Blue, Elmer Cassus.....	G.....	College View
Blunk, Adolf.....	E 4.....	Grand Island
Blunk, Ella.....	A 4, (S).....	Grand Island
Blunk, Walter.....	A 2, C.....	Grand Island
Bockemuehl, Mark Edward.....	A 1.....	Cedar Bluffs
Bodwell, Marjory Gertrude.....	A 3, T 3.....	Beatrice
Bodwell, Rea Edson.....	A 1, (M).....	Lebanon
Boehmer, Frank Charles.....	L 2.....	Lincoln
Boehmer, Marie Amanda.....	A 1.....	Lincoln
Boehr, Elizabeth.....	CA 4, T 4, (S).....	Wisner
Bogan, Violet Agatha.....	Au.....	Minden
Boge, Charlotte A.....	A 2, (Ex.).....	Harvard
Boggs, Allen McCowen.....	L 1, (S).....	Lincoln
Boggs, Charlotte Rose.....	A 2.....	Lincoln
Boggs, Georgia Mae.....	A 3, FA.....	Lincoln
Boggs, James William.....	CA 4.....	Lincoln
Boggs, Lester Otis.....	A 1, C.....	Table Rock
Bogue, Edward Villars.....	A 1 (M).....	North Platte
Bolibauth, John Solomon.....	A 3.....	Holbrook
Bollard, Frances Laura.....	CA 2.....	Omaha
Bollman, Edwin.....	G.....	Lincoln
Bolton, Dan W.....	M 1.....	Lincoln
Bone, Avis Norrie.....	A 1, (THS, Ex.).....	Fullerton
Bonekemper, Hedwig Elizabeth.....	CA 3, T 3.....	Lincoln
Bong, Elmer Victor.....	A 2.....	Havelock
Bonnell, Elizabeth.....	A 2.....	Lincoln
Bonnell, Fay.....	CAu.....	Lincoln
Bonnell, Winifred.....	Au.....	Lincoln
Booth, Anson Hart.....	Au.....	Flandreau, S. D.
Booth, George Thomas.....	A 1.....	University Place
Borcherding, Earl Eugene.....	CA 2.....	Dunbar
Borchers, Berenice.....	A 3, T 3.....	Nebraska City
Borchert, Ernest Frank.....	E 4.....	Holdrege

ROSTER OF STUDENTS

537

Name	College and Year	Home Address
Borchert, Sadie Elva	A 2, T 2	Holdrege
Borg, Eleanor Christine	Au, (S)	Wakefield
Borg, Ruth Elvira	A 1, (S)	Wakefield
Borghoff, John Aloyisius	M 1	Omaha
Bornschlegel, Walter A.	A 2, (S, Ex.)	Columbus
Boruch, Edwin Reginald	E 1	Elba
Boschult, Edgar Jacob	A 1, (S)	Scribner
Bossard, Roy Layton	E 3	Papillion
Bossemeyer, Alfreda Frances	CA 2	Superior
Bossemeyer, Dorothea Louise	A 1	Superior
Bostrom, Gustaf Alfred	4 P 4, (S)	Minden
Bourke, Norman Tobitt	E 4	Omaha
Bowen, Bess	Au, (S)	Lincoln
Bowers, Charles Arthur	G, Ed, (S)	York
Bowers, Herschel Ewert	A 1	Verdon
Bowers, Mildred Lella	A 2	Verdon
Bowser, William Dell	E 1	Omaha
Boyce, Henry Harold	A 2	Wayne
Boyce, Joseph Howard	A 1	Elmwood
Boyd, Ada Cook	G, (S)	Lexington
Boyd, Ivel Moody	L 2	Belleville, Kans.
Boyd, James William	CA 1	Kearney
Boyd, LaVerne Mary	A 1, (S)	Central City
Boyd, Ralph Woodside	G	Fremont
Boyer, Emile James	E 4	Gering
Boyes, Lula	CA 1	Hebron
Brace, Mayna June	A 2, T 2	Lincoln
Bracken, Benjamin Harrison	L 1	Hastings
Bradbury, Ora Clare	G, (S)	Lincoln
Bradford, Harry Elwyn	G, Ed, (S)	Lincoln
Bradley, Roy Stark	A 3	Ulysses
Bradshaw, Asa Edward	Eu	Lincoln
Brady, Frank John	A 2, C	Atkinson
Brainard, Alma Elizabeth	A 2, T 2	Normal
Branch, Perry Waters	A 1, C	Lincoln
Brandeen, Esther Linnea	Au, (S)	Waverly
Brandt, Anna Sophia	A 2, T 2	Surprise
Brandt, Emelia Haigsen	M 3, (S)	Omaha
Brandt, Henry James	A 4, T 4	Surprise
Brazda, Daniel Steven	2 P 2, (S)	Dodge
Breese, Ada Fae	A 1	Lincoln
Brehm, Carl Henry	A 1	Sutton
Brehm, Harold Ernst	A 1	Talmage
Brehm, Ralph Carl	A 1	Talmage
Brenker, Arch Herman	A 3, C	Beatrice
Brennan, Eugenia Mary	A 4, T 4, (S)	Omaha
Brennan, Mamie Katherine	Au, (THS, S)	Tecumseh
Brereton, Winifred	G	Emmetsburg, Ia.
Bressler, John T., Jr.	CA 2	Wayne
Brethouwer, Ruth Louise	A 2, T 2	Unadilla
Breuer, Roland George	M 3, (S)	Lincoln
Brian, Robert Adrian	A 4, (THS, S)	Columbus
Bridenbaugh, Dewey G.	CA 1	Coleridge
Bridges, Helen Marguerite	A 1, (THS, S)	Sterling
Bridges, Mabel Luella	A 4, (S)	Sterling

Name	College and Year	Home Address
Briggs, Lena	G, (S)	Kearney
Brigittinne, Sister M.	Au.	Lincoln
Bristol, Dora Charlotte	A 1	Kimball
Brix, Aage Emil	M 4	Lexington
Broadston, Earl	A 4, (S)	Steele City
Brock, Lucile Elizabeth	G, Ed, (S)	Bethany
Brodhagen, Helen Rosa	A 1	Pierce
Bromfield, Lawrence Dalziel	A 1	Denver, Colo.
Brookley, Wendell Holzworth	2 P 1	Edgar
Brooks, Alice Frances	Au.	Lincoln
Brooks, Margaret Bell	CAu.	Bellaire, Kans.
Brouse, Edgar Merl	CA 3, T 3	Stratton
Brower, Mary Letitia	G.	Fullerton
Brower, Robert C.	L 1	Fullerton
Brown, Charles Neil	G.	Lincoln
Brown, Clarence Henry	E 2	Lincoln
Brown, Edith Marian	A 4, T 4	Sargent
Brown, Edna May	G, Ed, (S)	Lincoln
Brown, Elizabeth	A 1	Lincoln
Brown, Glenn D.	A 1	Lincoln
Brown, Harry Herbert	E 1, (Ex.)	Lincoln
Brown, Hattie May	A 4, (S, Ex.)	Morrill
Brown, Karl Campbell	A 3	Papillion
Brown, Lionel Botleman	M 1	Fairmont
Brown, Marion Christine	A 2	Papillion
Brown, Nettie Clare	A 1	Lincoln
Brown, Raymond Lindsey	2 P 1	Scottsbluff
Brown, Robert George	A 2, C	Sargent
Brown, Sadie Reye	G, (S)	Minden
Brown, Scott Hugh	CA 3	Rushville
Brownell, Mary Bigelow	A 1	Lincoln
Brownfield, Lyda	Au, (S, Ex.)	Cozad
Browning, Harold Roy	E 1	Orchard
Brownson, Hollis Lee	M 1	Verdon
Bruce, Harold	Eu.	Bertrand
Bruman, Abraham Joseph	CA 3	Lincoln
Brundage, Anna Dew	A 3, T 3	Tecumseh
Brundage, Percy Alan	A 4, C	Tecumseh
Brunig, Morton Paul	G, (S)	Hebron
Brust, Alvin Waldo	A 1	Lincoln
Bryan, Edna Elizabeth	G	Lincoln
Bryans, Wilson Dunlap	A 2, C	Omaha
Bryant, Harry Victor	A 1, (M)	Omaha
Bryant, Ita Saunders	A 4	Hartington
Bryson, Albert Edward, Jr.	L 3	Fullerton
Bryson, Richard P.	A 1, C	Fullerton
Buchta, Jay William	E 3	Osceola
Buchta, Verna Ruth	CA 1	Osceola
Buck, William Franklin, Jr.	CA 2	Superior
Buckley, Charles W.	Lu.	York
Buerstetta, Blanche	A 2, FA, (S)	Lincoln
Buerstetta, Fred Elmer	L 2	Tecumseh
Buerstetta, Orville Andrew	A 4, C	Lincoln
Buffum, Bertha Jean	A 1, FA	Tecumseh
Bullard, Milledge D.	CA 2	North Platte

Name	College and Year	Home Address
Bullock, Eva Lucille	A 1	Council Bluffs, Ia.
Buntz, Alice	A 1	Shenandoah, Ia.
Buntz, Myra Edith	A 2, T 2	Shenandoah, Ia.
Burch, Florence Mary	CA 2, T 2, (S)	Lincoln
Burgen, Thelma	A 2, T 2	Lincoln
Burgess, Edith	G, Ed.	Bethany
Burgess, Exietta	A 1	Lincoln
Burgess, Harold Dempster	A 4, L 1	Beatrice
Burkart, Anna Driver	A 4, T 4, (S)	Lincoln
Burke, Kenneth Ewart	CA 1	University Place
Burkett, Josephine Sarah	A 3	Lincoln
Burkett, Lenore Catherine	A 2, FA	Lincoln
Burman, Guy Elmer	M 3	Axtell
Burnard, Izetta Ramola	CA 2	York
Burnett, Helen Clair	CA 2, (S)	Sutton
Burnham, Archer Lowell	G, Ed.	Stanton
Burnham, Mary Leona	A 1	Fairfield
Burns, Ernest Madison	A 2, (M)	Rifle, Colo.
Burns, Helen Ann	Au.	Lincoln
Burns, Ruth	Au.	Lincoln
Burr, E M.	A 4	Aurora
Burr, George Lawrence	G	Lincoln
Burrage, Dwight Grafton	G	Lincoln
Burroughs, Edgar S.	Eu.	Beatrice
Burroughs, Jean	A 3, T 3	Lafayette, Ind.
Busboom, Albert William	E 3, (Ex.)	Fairbury
Bush, Edward Thadens	L 1	Tecumseh
Bush, Florence	CA 2, (S)	Alma
Bushee, Helen Bernice	CA 1	Kimball
Bushnell, George Dewey	E 1	Lincoln
Busk, Blanche Marie	A 4, T 4	Omaha
Busse, Katheryn Marie	A 4, T 4	Decatur
Butcher, Adelia Patrice	A 1, (S)	Wymore
Butler, Blanche Winneford	A 3, (S)	Tekamah
Butler, Eva Eloise	CA 1	University Place
Butler, Gareld Levi	A 1	University Place
Butter, John Gambell	CA 4	Omaha
Butterfield, Graydon Gilbert	E 2	Auburn
Buttery, Helen May	A 3, T 3	Lincoln
Button, Bert Adair	A 1, C	Lincoln
Buzza, Alvah W.	A 2, C	Lincoln
Buzzell, Janet	A 1, (THS, S)	Normal
Byington, Preston Chinnock	A 1	College View
Byram, Marian Vena	A 1, (S)	Lincoln
Byrne, Anna Thelma	Au.	Lincoln
Byrnes, Julana Mary	A 1	Lincoln
Caldwell, Evelyn Barnes	A 3, T 3, FA, (S)	Lincoln
Caldwell, Frances Emily	A 1	Lincoln
Caldwell, Harry Raymond	A 1	Omaha
Caley, John Lorin	L 3	Sterling
Callahan, Lawrence	A 1	Bozeman, Mont.
Calvin, John Willard	G, (S)	Lincoln
Cameron, Alexander Clark	A 4, (M)	Kearney
Cameron, Janet Grey	G, (S)	Lincoln
Cameron, Robert Fairie	E 4	Lincoln

Name	College and Year	Home Address
Camp, Earl Fred.....	M 1.....	Republican City
Camp, Mary Eunice.....	A 4, (THS, S).....	Lincoln
Campbell, Alice Minerva.....	CA 2, T 2.....	Bethany
Campbell, Carey Ephraim, Jr.....	A 3.....	Omaha
Campbell, Elmer Bentley.....	L 1.....	Omaha
Campbell, Elvaree.....	A 1.....	Lincoln
Campbell, Esther.....	A 2.....	Lincoln
Campbell, Frank Ethan.....	A 1.....	Jansen
Campbell, Harold Ray.....	G.....	Osceola
Campbell, Henry William.....	L 3.....	Elgin
Campbell, Phil Brooks.....	CA 3.....	Osceola
Campbell, Philip Thomas.....	A 1, (M).....	Lincoln
Campbell, Raymond Guy.....	A 3, (S, Ex.).....	McCook
Campbell, Robert Benjamin.....	A 1.....	Osceola
Campbell, Walter.....	A 2, (M).....	Lincoln
Campbell, William Allan.....	A 1, (M).....	Lincoln
Canaday, Mary Golda.....	CA 2.....	Minden
Canaday, Ralph Oliver.....	L 2.....	Minden
Canfield, Sarah Wright.....	G, (S, Ex.).....	Tecumseh
Canfield, Wallace Wheeler.....	A 2.....	Tecumseh
Cannell, Gertrude Frances.....	A 2.....	Lincoln
Cannell, Katherine.....	G, (S).....	Lincoln
Capek, Hubert Anton.....	A 1.....	Lincoln
Carey, Raymond Burdette.....	G, Ed (S).....	Fairbury
Carlin, Ernest Edward.....	A 3, (S).....	Edison
Carlson, Carl Robert.....	2 P 2, (S).....	Pacific Junction, Ia.
Carlson, Clarence Victor.....	A 1.....	Shickley
Carlson, Knute Emil.....	G.....	Wahoo
Carmean, Ermine.....	CA 3.....	Chadron
Carney, Ina.....	A 2.....	Sutton
Carns, Dorothy Jane.....	CA 4.....	Lincoln
Carns, Margaret Jane.....	L 2.....	Lincoln
Carpenter, Frank Watson, Jr.....	L 1.....	Omaha
Carpenter, Ray Wilford.....	E 3.....	Lincoln
Carr, Edward Everett.....	L 3.....	Beaver City
Carr, Ida Lilyard.....	A 1.....	Lincoln
Carr, Lola Irene.....	Au.....	Eagle
Carraher, Helen.....	Au.....	Lincoln
Carson, Homer Virgil.....	A 2, C.....	Lincoln
Carson, Howard Madison.....	L 2.....	Osceola
Carson, LeRoy Henry.....	A 2, C.....	Madison
Carter, Edward Francis.....	L 1.....	Bruning
Carter-Mitchell, Ida Mery Sawyer.....	A 1, (S).....	Stamford
Carter, Lester W.....	A 2, (M).....	Thermopolis, Wyo.
Carter, Sylvia Lorrain.....	A 2, T 2.....	Franklin
Cartwright, Forrest Pete.....	A 1, (M).....	Pilot Mound, Ia.
Carveth, Walter William.....	A 2, C.....	Lincoln
Case, Mark Ebert.....	CA 1.....	Sterling
Cass, William Harry.....	A 1.....	Mitchell
Cassidy, Waldron Alvin.....	M 3.....	Omaha
Cast, Gotthilf Oliver.....	A 4.....	Lincoln
Casteel, J. Alden.....	A 1, (M).....	Randolph
Castek, Elizabeth.....	A 2, (S).....	Schuyler
Castor, Bernard Tobias.....	E 3.....	Lincoln
Catlin, Allin.....	E 2.....	Bethany

ROSTER OF STUDENTS

541

Name	College and Year	Home Address
Catlin, Walter Harlan.....	A 1.....	Omaha
Catterson, Emmett Bryan.....	CA 3, (S).....	Sutton
Catterson, Hazel.....	A 4, (Ex.).....	Sutton
Catterson, Verne C.....	A 4, (S).....	Lincoln
Cecil, Albert Leroy.....	A 2.....	Red Cloud
Cecilian, Sister Mary.....	A 1.....	Lincoln
Cejnar, John Amos.....	A 3.....	Omaha
Cerney, Alfred Victor.....	L 1, (S).....	St. Paul
Chace, Ethel Maude.....	A 4.....	Stanton
Chace, Katherine Goldie.....	A 2.....	Wayne
Chadderdon, Lester Edward.....	A 4, (S, Ex.).....	Stockville
Chadderdon, Neil Thompson.....	A 1.....	Curtis
Chaffee, Merritt Leehman.....	A 3, T 3, C.....	Alliance
Chaikin, Annis Sarah.....	G.....	Lincoln
Chain, Leo Williams.....	M 1.....	Omaha
Chamberlain, Esther Catherine.....	CA 1, (S).....	Nelson
Chamberlain, James Lawrence.....	Lu.....	Maywood
Chamberlain, Leon Early.....	A 2.....	Brownville
Chamberlin, Edward S.....	A 1, C.....	Clarks
Chamberlin, Frances.....	A 1.....	Blue Springs
Chamberlin, Ramona.....	A 1.....	Blue Springs
Chamberlin, Walter, Jr.....	A 1, C.....	Clarks
Champe, John Leland.....	E 3.....	Friend
Chaney, Daniel Edward.....	Lu.....	Havelock
Chaney, Elizabeth Loretto.....	A 2, T 2.....	Havelock
Chapin, Eunice Spalding.....	G, (S).....	Lincoln
Chapin, Irving Steele.....	A 1, C.....	Lincoln
Chapin, Lillian Farnum.....	Au.....	Lincoln
Chapin, Mildred Marie.....	A 3.....	Lincoln
Chapin, Robert Elgin.....	A 2.....	Lincoln
Chapin, Virginia.....	A 4.....	Winside
Chapman, David.....	A 1.....	Lincoln
Chappell, Helen Gertrude.....	Au.....	Lincoln
Chase, Cecil Arthur.....	A 2, (M).....	Mason City
Chase, Janet.....	A 3.....	Lincoln
Chatt, Orville.....	L 1.....	Taylor
Cheney, Dorothy.....	A 1, FA.....	Stockville
Cherny, Alice Magdalene.....	CA 2.....	North Bend
Chesley, Franklin Faris.....	A 2, (M).....	Armour, S. D.
Chesley, Geneva Alta.....	CA 2.....	Armour, S. D.
Chester, Samuel Hall, Jr.....	CA 4.....	Nashville, Tenn.
Chilcoat, Esther Marie.....	A 1.....	Stanton
Chipperfield, Harold Mitchell.....	CA 1.....	Beatrice
Chipperfield, Roberta Rae.....	A 3, T 3.....	University Place
Chism, Lucile M.....	Au, (THS, S).....	Dawson
Chittenden, Alice Marguerite.....	A 2, T 2.....	Lincoln
Chrisman, Alta Lucile.....	A 2, FA.....	Lincoln
Christensen, Arthur Charles.....	G, (S).....	College View
Christensen, Chris Lauriths.....	CA 1.....	Minden
Christensen, Elmer Heimer.....	A 4, (S).....	Neligh
Christensen, Elmer.....	E 1.....	Minden
Christenson, Walter Eugene.....	A 2.....	Craig
Christopher, Vern Elber.....	A 1, C.....	Hastings
Chung, Henry.....	G, A 4.....	Korea
Church, Ira O.....	M 1.....	University Place

THE UNIVERSITY OF NEBRASKA

Name	College and Year	Home Address
Churchill, Barbara	M 1	Omaha
Cilek, Caroline Catherine	A 4, (S, Ex.)	Hay Springs
Cinberg, Esther	A 1	Lincoln
Cinberg, Lillian Bell	A 1	Lincoln
Claar, Charles Edward	A 4, (S, Ex.)	Petersburg
Clark, Alfreda Florence Emma	A 3, T 3	Hastings
Clark, Bayard Taylor	A 1	Falls City
Clark, Don Tracy	A 1	St. Edwards
Clark, Ellen Elizabeth	G, (S)	Lincoln
Clark, Elmer Louis	CA 1	Inman
Clark, Ethel Cecelia	A 2, (S)	Lincoln
Clark, Eugene E.	A 1, (M)	Ashland
Clark, Fred William	A 3, C	Stamford
Clark, Grace Maria	G, Ed, (S)	Lincoln
Clark, Irwin Arthur	A 2	University Place
Clark, John Willis	A 2	Stella
Clark, Lawrence Palmer	A 1	Hastings
Clark, Leah Frieda	A 1	Buffalo, Wyo.
Clark, Letta May	G	University Place
Clark, McKinley Frasier	E 4	Lincoln
Clark, Mabel B.	A 1, (S)	Fairmont
Clark, Mabel Hartson	A 1	Woodville
Clark, Maurice Charles	A 4	Omaha
Clark, Owen Nye	A 2	Beaver Crossing
Clark, Ray	A 4, (S)	Pawnee City
Clark, Richard Edmund	CA 1	Beatrice
Clark, Verne Demmitt	A 2, C	Osceola
Clark, Walter Cornelius	Au, (S)	Bethany
Clarke, Laura Nemaha	CA 3	Auburn
Clason, Madeline Eugenia	A 1, (S)	Lincoln
Clayburn, Ause Bennett	A 3, (S)	Monroe
Clayton, Mabel Stephenson	A 4, T 4, (S)	Lincoln
Clayton, Mae Stephenson	A 4, T 4 (S)	Lincoln
Clemens, John Waldron	E 3	Lincoln
Clements, Josef C.	A 1	Lyons
Cleveland, Dorothy	A 1	Lincoln
Cleveland, William Fiske	A 1	Harlan, Ia.
Cline, Lucile	A 1, FA	Lincoln
Cloud, Rowland Newkirk	A 4, L 1, (S)	Lincoln
Cobb, Delia Ellen	A 1	Fort Worth, Texas
Cobb, Marjorie	A 3, (S)	Fort Worth, Texas
Cobb, Ralph Lloyd	2 P 1	Atlanta
Cochran, Paul Alex.	CA 1	Monroe
Codner, Harry Earl	A 4, (Ex.)	Hayes Center
Coe, Louise	A 4, T 4	Nebraska City
Coe, Sterling Churchill	A 1, FA	David City
Coffee, Edna Lyal	A 3	Chadron
Coffman, Ethel Beulah	CA 4, T 4	Lincoln
Coggins, Evangeline Byrd	A 1, (S)	Hebron
Colbert, Harry Eugene	A 1	Weeping Water
Colbert, Elvin Morton	G, Ed, (S)	Harrison
Colburn, Dorothy Jane	A 2, T 2, (S)	Lincoln
Colecord, Frank Maynard	G	Lincoln
Cole, Doris Elizabeth	A 1	Omaha
Cole, Ralph Hazen	A 1, C	Oxford

ROSTER OF STUDENTS

543

Name	College and Year	Home Address
Cole, Sara Raymond	A 3, (S)	Omaha
Coleman, Frederick David	M 2	Ulysses
Coleman, Mamie	A 3	Lawrence
Collett, Clinton Ellsworth	G	Gothenburg
Collings, Ida Alma	A 1	Dubuque, Ia.
Collins, Edia Amalia	A 4, T 4	Wakefield
Collins, Floyd MelRoy	M 1	Ord
Collins, Harold Clifton	CA 1	Curtis
Collins, John Smith	A 2	Collins
Colman, Howard Notson	G	Lincoln
Colpitts, Mary Alice	G	Point De Bute, N. B. Canada
Colton, Earl Glen	E 1	Lincoln
Combs, Guy Denver	A 2	Langford, S. D.
Combs, Zada Nellie	A 3	Geneva
Conety, Nancy Bell	A 1, (S)	Valley
Conley, Frank Walter	Eu	Seward
Conley, Robert Andrew	G, Ed, (S)	Lincoln
Conn, May Elizabeth	CA 1	Fine Ridge, S. D.
Conner, Paul	A 3, T 3, C	Stratton
Conrad, Paul Edgar	A 2, (M)	Sabetha, Kans.
Constantine, Charles	A 1, (M)	Omaha
Conway, Cora Ellen	CA 3	York
Cook, David Harris	A 1	Plattsmouth
Cook, Hazel Irene	A 2, FA	Omaha
Cook, Hazel Myrtle	A 2, (S)	David City
Cook, Helen Catharine	A 1	Blair
Cook, Helen Priscilla	A 2, FA	Lincoln
Cook, Inez Mabel	A 4, T 4, (S)	Lincoln
Cook, John Bradford	A 3	Beatrice
Cook, Richard Eugene	A 1, (Ex.)	Council Bluffs, Ia.
Cook, Warren Sanford	G, Ed, (S, Ex.)	Lincoln
Coolen, Freeman Stuart	M 2	Fox Point, Nova Scotia
Cooley, Edward Ernest	A 1	Prairie Home
Cooley, Frieda Florence	A 4, T 4, (S)	Lincoln
Cooley, Gretta	CA 2	Sheridan, Wyo.
Cooper, Albert Lloyd	M 2	Fairbury
Cooper, John Ralph	G	Lincoln
Coover, Frank Glenwood	Au	Lincoln
Copeland, Beula Ward	CA 3, T 3	Lincoln
Copeland, Charles William, Jr.	A 1, (M)	Belleville, Kans.
Copeland, Harold Tippit	E 1	Beaver City
Coplen, Grace Wilson	Au	Lincoln
Copsey, Mary Helen	A 2, T 2	York
Copsey, Robert Lynn	A 1, (M)	Lincoln
Corey, Frank David	A 1, C	Beaver Crossing
Corey, Harold Horace	A 3	Lincoln
Corneal, Grazia Stanton	Au, (S)	St. Paul, Minn.
Cornell, Helen Lavina	A 4	Peru
Cornish, Kenneth Aron	A 1	Shelby
Corrick, Gladys	A 3, FA	Lincoln
Corrick, Lenora	A 3	Lincoln
Cosford, Howard Ruswell	A 1	Beatrice
Cosner, Pearl	A 3, (S)	Deadwood, S. D.
Cotter, Frederick Thomas	A 3, C	Omaha
Cottrell, Floa E	A 2, T 2	Hebron

Name	College and Year	Home Address
Coulson, Francis Charles	CA 3	Lincoln
Coulter, Bern Raymond	L 1	Bridgeport
Cousins, Harry Warde, Jr.	L 1, (S)	Lincoln
Covert, Albert Jackson	L 3, (Ex.)	Lincoln
Cowan, Ralph Ellis	G	Lincoln
Cowen, Ray Howard	A 2, T 2	Stratton
Cox, Emily Lucy	A 4, T 4	York
Cox, Oakley Robert	A 1	Lincoln
Cox, Willard Francis	A 2, C	Wilbur
Cozier, Paul Merlin	CAu	University Place
Crabtree, Varena Amy	CA 3, T 3	Eagle
Craft, Magdalene	G	Tecumseh
Crago, Alfred	G, Ed, (S)	Lincoln
Craig, Alice Rowena	Au, FA	Lincoln
Craig, Clara Louisa	G	Lincoln
Craig, Kenneth Young	E 3	Omaha
Cramer, Neda	Au, FA	Aurora
Crandall, Horace Charles	CA 1	North Loup
Crandall, Leslie Atwood	A 3, C	Lexington
Crane, Deyo Edward	A 2	Omaha
Craven, Alma	A 4	Wayne
Crawford, Alice Lucille	A 1, (S)	Charlestown, Ind.
Crawford, Alma Louise	A 1, (S)	Charlestown, Ind.
Crawford, Elizabeth Love	A 3, T3	Omaha
Crawford, Robert Platt	G, A 4	Lincoln
Creamer, Myrtle	A 1	Greenwood
Creekpaum, Grace Anna	A 2	Lincoln
Crellin, Leonard Danial	A 1, (M)	Lyons
Crellin, Lottie Margaret	CA 1	Pender
Cress, Forrest Oliver	E 1	Lincoln
Creutz, Fred Julian	3 P 3	Wausa
Crilly, Howard McKee	CA 1	Campbell
Criswell, James O'Neil	A 1, C	Mound City, Mo.
Critchfield, Max	A 3	Lincoln
Crittenden, Cornelia Williams	A 3	Lincoln
Crittenden, Sophie Marie	CAu	Lincoln
Croft, Lucille June	A 2, FA	Tecumseh
Crosbie, Milo Havilah	G, (S)	Central City
Cross, Lyman Goodrich	A 3	Lincoln
Crownover, Lowell G.	E 2	Benedict
Crue, Charlotte Cornelia	A 3	Tilden
Crue, Margaret Isabel	A 4, T 4	Tilden
Cruit, Robert LeRoy	A 2	Ravenna
Cull, William Clinton	L 2	Oakland
Cullen, Irene	A 1	Lincoln
Culler, Charles Linden	A 4, T 4	Lincoln
Cultra, George McClave	M 2	Lincoln
Cummings, Lena	CA 1	Hot Springs, Ark.
Cummins, Mildred Louise	G, Ed, (S)	Lincoln
Cunningham, Russell B.	A 1	Lodge Pole
Curley, Alfred Eugene	A 1	Lincoln
Curley, Clara Lavern	CA 3, T 3, (S)	Lincoln
Curley, Grace E.	Au, (S)	Lincoln
Currier, Helen Luetta	CA 1	University Place
Currier, Ralph Darwin	CA 1	University Place

ROSTER OF STUDENTS

545

Name	College and Year	Home Address
Curry, Clara Cecelia Claudine.....	A 1.....	Denison, Ia.
Curtice, Helen Burr.....	A 2, FA.....	Lincoln
Curtice, Norman Burr.....	A 2, C.....	Lincoln
Curtis, Scena Hansen.....	G.....	Lincoln
Curtiss, John Edward.....	L 3.....	Geheva
Cushing, Marie Almeda.....	A 1.....	Grafton
Cushman, Gladys Lucina.....	CA 3, T 3.....	Lincoln
Dacken, Victor Robinson.....	M 2.....	Harlan, Ia.
Daily, Esther.....	A 1, FA.....	Emerald
Dale, Benjamin Charles.....	E 4, (S).....	Hartington
Dale, Carl Core.....	CA 3.....	Greenwood
Dale, James Leland.....	CA 3.....	Rushville
Dale, Raymond Elmer.....	G, (Ex.).....	Nehawka
Dally, Claude Franklin.....	A 3.....	Exeter
Dally, Henry Michael.....	A 1, (M).....	Omaha
Damsgard, Lincoln Clarence.....	G.....	College View
Dana, Gladys Elizabeth.....	A 4, FA.....	Lincoln
Darling, Lois Alta.....	Au.....	Lincoln
Davenport, Orville Pence.....	A 1.....	Alliance
Davey, Alfred Dewey.....	A 1.....	Lincoln
Davey, Mary Alice Dolores.....	A 3, T 3.....	Davey
Davidson, Glenn.....	E 1, (Ex.).....	Lincoln
Davies, Dorothy Lewis.....	A 3.....	Utica
Davis, Dorothy D.....	A 2, T 2.....	Lincoln
Davis, Earl Gaylord.....	A 1.....	Lincoln
Davis, Elliott Regester.....	CAu, (S).....	Lincoln
Davis, Elton Ray.....	G.....	Trento, Mo.
Davis, Hobart Spratlen.....	E 1.....	Sidney, Ia.
Davis, Herbert Haywood.....	Mu, (Ex.).....	Omaha
Davis, John Calvin, Jr.....	M 4, (S).....	Omaha
Davis, John Dwight.....	A 2, C.....	Genoa
Davis, Kenneth Samuel.....	M 3.....	Genoa
Davis, Marion.....	Au.....	Josie
Davis, Mary.....	CA 1.....	North Loup
Davis, Morgan D.....	CA 3.....	Milford
Davis, Phoebe Dorothy.....	Au.....	Ashland
Davis, Titus Ross Elwyn.....	E 1.....	Lincoln
Davison, Almond Demoin.....	A 1, (M).....	Dorchester
Dawson, Lydia Emma.....	A 3, T 3.....	Linwood
Dawson, Samuel Edward.....	Au, (S).....	College View
Day, Alice Ellen.....	G, (S).....	Ralston
Day, Lulu Belle.....	A 2, (S, Ex.).....	Barnston
Day, Marguerite.....	A 1.....	Oshkosh
Day, William Louis.....	A 2.....	Beatrice
Dayton, Mary Helen.....	A 2, FA.....	Lincoln
Deakin, Lottie.....	A 2, (S).....	Cowles
Deal, William Floyd.....	M 2.....	St. Francis, Kans.
Dean, Albert Edward.....	CA 1.....	Ashland
Deaver, William Henry.....	A 4, (S).....	Reynolds
Debel, Anders Christian.....	L 3.....	Blair
DeBoit, Grover C.....	M 1.....	Omaha
DeBrunner, Francis Louis.....	A 1, C.....	Lodge Pole
Dedrick, Faith Christine.....	A 2, T 2.....	Superior
Dee, Anna.....	CA 2.....	Lincoln
Deering, John Stewart.....	M 2.....	Sutton

Name	College and Year	Home Address
DeFord, George William	A 2	Staplehurst
Delano, Clarissa Rose	A 4, T 4	Lincoln
Delano, Grace Elten Flint	Au	Lincoln
DeLap, David Frank	Au, (S)	Norris City, Ill.
Dellinger, John H.	Au, (Ex.)	Hebron
Deming, George Warren	CA 4	Fairmont
Dempster, Clyde Blaine	E 4	Beatrice
Dendinger, Cecelia Catherine	A 2, T 2, (S)	Hartington
Dendinger, Gertrude Margaret	A 2, T 2, (Ex.)	Coleridge
Dendinger, Kathryn Bernadette	A 2, T 2, (Ex.)	Coleridge
Denning, Wayne H.	E 1	Giltner
Dennis, Cecil Mark	Au, C	Osmond
Dennis, Emma Agnes	Au, (S)	Lincoln
Dennis, John Foster	Pu	Gothenburg
Dennis, Paul Morris	L 3	Lincoln
Denny, Glaideth Gainever	G	Lincoln
Densmore, Leonard Darwin	A 1	Wymore
Derby, Isabel	A 2, T 2	Lincoln
DeSautelle, Gertrude Elizabeth	A 2, T 2	Lincoln
Detweiler, Bertha May	Au	Raymond
Detweiler, Helen Ruth	A 2	Omaha
Deutsch, Fred Moran	A 1	Hastings
Devries, Herbert Joshua Shiply	A 1, (THS)	Fremont
Dickerson, Douglas F.	CA 3, (S)	Beatrice
Dickinson, Amy Zilpha	A 2, T 2	Sterling, Colo.
Dickinson, Devona Margaret	2 P 1, (S)	Alliance
Dickinson, Hester Irene	CA 4, T 4	Sterling, Colo.
Dickinson, Ralph Joel	A 1	Lincoln
Dieckelman, Karl Eyth	2 P 1	Lincoln
Diefenderfer, David Lawrence	A 2	Norfolk
Diehl, Norval Eugene	E 2	Stratton
Dierks, Beatrice	A 2, (S)	Lincoln
Dietrich, Edna Grace	A 1	Louisville
Dietz, Cap Leslie	CA 2	Broken Bow
Dill, Helen	A 2	Grand Island
Diller, Will Samuel	A 1	Diller
Dilley, Ruth Vera	A 1, FA	Friend
Dillon, Duncan	A 4, (S)	Lincoln
Dilworth, Cora Williams	G, Ed, (S)	Lincoln
Dine, Sara Veronica	A 1, (S)	Havelock
Dingman, Eudora Bertha	A 1, FA	Lincoln
Dinsmore, Eugene Clay	A 2, C	Lincoln
Dirks, Amelia Kathryn	A 1	Hildreth
Dobbs, Mabel Irene	A 1, FA	Lincoln
Dobson, Paul Arthur	A 2, (S)	Ulysses
Dodds, Theodora	A 4, (S)	Beatrice
Dodge, Catharine Elizabeth	A 3, T 3	Fremont
Dodge, Margaret	A 1	Fremont
Dodge, Millie	Au, FA	Tilden
Dodson, Albertus Nimrod	CA 2	Wilber
Dohner, Florence Lyman	G, Ed, (S)	Lincoln
Domer, David S.	Au, (S)	Lincoln
Donahoo, Bernice	CA 1	Superior
Donaldson, Geneva	A 3, (S, Ex.)	Norfolk
Donegan, Cyril Paul	CA 3	North Platte

ROSTER OF STUDENTS

547

Name	College and Year	Home Address
Donovan, Gertrude Alice	A 1	Omaha
Doran, Goldwin	A 2, C	Sidney
Doran, Isabel	A 1, (THS)	North Platte
Dore, Ruth Elizabeth	A 4, (S, Ex.)	Normal
Dorsey, Asa Archie	A 3, T 3	Bradshaw
Dorsey, Ruth Anna Laird	Au.	Denver, Colo.
Dosek, Edward Adolph	Au, (THS)	Dwight
Doty, Arthur Jack	Lu.	Missouri Valley, Ia.
Doty, Helen S.	A 2	Beaver Crossing
Doty, Ira Eugene	E 3	David City
Doty, Irene Mary	CA 1	Hastings
Douglas, Harold Lamont	E 2, (THS)	Lyons
Douglass, Earl Bruce	E 4, (S)	Lincoln
Dow, Andrew G.	M 3	Omaha
Dow, Donald Benedict	A 4	Elwood
Downing, Bernice	A 3, T 3	Lincoln
Downing, Helen Edna	A 1	Rising City
Downing, Jessie	A 4, (Ex.)	Rising City
Doyle, Anna Cecelia	Au.	Greeley
Doyle, Elizabeth Ann Marie	A 4	Lincoln
Doyle, Louis Raymond	A 4, L 1, (S)	Lincoln
Drain, Wenona Claire	Au.	Lincoln
Drake, Oscar Andrew	L 1	Kearney
Drake, Ralph Sterrett	A 1, C	Jewell, Kans.
Drake, Robert James	G, Ed.	Lincoln
Draper, Rosil Clay	CA 3	Ansley
Drayton, Gwendolyn Ellen	A 2, T 2	Orchard
Drebert, Eleanor	Au.	Lincoln
Dressler, Herbert R.	L 1	Nemaha
Drewing, Clyde Jacob	A 4, T 4, (S)	Lincoln
Driftmier, Bertha Marie	A 4, T 4	Clarinda, Ia.
Driftmier, Erna Mary	A 1	Clarinda, Ia.
Driver, George Dorman	A 2, C	Battle Creek, Ia.
Drollinger, Lila Azalia	CA 3, T 3	Lincoln
Drummond, Donald Lloyd	A 2, (S)	Harda C. P. India
Druse, Charles Miron, Jr.	A 1	Cambridge
Druse, Ethlyne May	CA 2, T 2	Cambridge
Dry, Lawrence	G.	Chester
Dudley, William Leonard	A 1	Lincoln
Dullenty, Alice Delphine	CA 1	Lincoln
Dullenty, Myrtle	CAu.	Lincoln
Dunagan, Tom	A 1, C	Sloan, Ia.
Dunbar, Wilbur Arthur	CA 4, (S, Ex.)	Lincoln
Duncan, Harold Judson	CA 4	Beatrice
Duncan, James Thomas	A 2, (M)	Blue Hill
Duncombe, Eli	CA 2, (S)	Lincoln
Dungan, Edmund Dale	A 3, T 3	Kearney
Dunham, Floy	A 2, FA	Lincoln
Dunlevy, Harrison Luikart	E 2	Fremont
Dunn, Arlo Mathias	A 1	Beatrice
Dunn, Florence	A 4, (S, Ex.)	Osceola
Dunn, Lester Lloyd	L 2	Lincoln
Dunn, William Leslie	A 2	Weeping Water
Dunn, Miriam	A 1, (THS)	Tekamah
Dunn, William Leslie	A 2	Weeping Water

Name	College and Year	Home Address
Duntun, Wesley Louis.....	A 4, (S, Ex.).....	Pleasant Dale
Durbin, LeClair Lincoln.....	A 1.....	Bartley
Dusatko, Bertha Mary.....	A 3, T 3.....	Clarkson
Dusatko, Ida.....	A 2, T 2, (S).....	Clarkson
Du Teau, Alfred Armand.....	CA 1.....	Lincoln
Dye, Dewey.....	E 1.....	Malvern, Ia.
Dye, Marguerite Lucile.....	A 4, T 4.....	Lincoln
Dyer, William Jennings.....	CA 2.....	Exeter
Easterling, Bernard Kretchmer.....	CA 1.....	Kearney
Eastham, Mary.....	A 1.....	Lincoln
Easton, Arthur Charles.....	E 2, (S, Ex.).....	Cambridge
Ebberson, Florence Harriet.....	A 1.....	Oakland
Eckles, Helen Vivian.....	A 1.....	Lincoln
Edgar, Leonard Owen.....	A 1.....	Edgar
Edgren, Verna.....	A 4, FA, (S).....	Lincoln
Edmisten, Loyd L.....	M 2.....	Eddyville
Edmund, John Martin.....	Au, (S).....	Grand Island
Edwards, Arthur Leslie.....	A 1.....	Holdrege
Egan, Thomas Germaine.....	CA 4.....	Omaha
Eggenberger, August Otto.....	A 3, (S).....	Plattsmouth
Eggenberger, Frieda Theresa.....	A 1, (S).....	Strang
Eggleston, Olive Beatrice.....	A 4, T 4.....	Elgin
Eichberg, Lydia Louise.....	G.....	University Place
Eigenbroadt, Heila H.....	CA 2.....	Lincoln
Elam, Adelaide Florence.....	A 1.....	Lincoln
Elbourne, Howard John.....	CA 1.....	Lincoln
Elder, Raymond Berl.....	A 2.....	Mankato, Kans.
Eldred, William Carroll.....	E 3.....	McCook
Eldredge, Delmer Gilbert.....	L 2.....	Omaha
Eldredge, John Carver.....	A 1.....	Omaha
Eldredge, Robert Bruce.....	A 1, (M).....	Omaha
Eller, Lloyd.....	E 1.....	Enderslake
Eller, Warren H.....	CA 3.....	Lincoln
Ellerbrock, Orville Lee.....	A 1, C.....	Fremont
Elliff, Edgar A.....	2 P 2.....	Otego, Kans.
Ellinghusen, Esther A.....	A 3, T 3, FA.....	Omaha
Ellinghusen, Ruth Alice.....	A 1, FA.....	Omaha
Elliott, Ada Laura.....	A 4, T 4.....	Lincoln
Elliott, Dwight C.....	L 1.....	Mason City
Elliott, John Gordon.....	A 4.....	University Place
Elliott, Lloyd Deal.....	A 1.....	Mason City
Elliott, Marie Winifred.....	A 2.....	Beatrice
Ellis, Cally Leroy.....	A 4, (S).....	Beaver City
Ellis, Leslie William.....	A 3, C.....	Wayne
Ellis, Robert Walpole.....	G.....	Lincoln
Ellison, Estella May.....	CA 4.....	University Place
Ellison, Grace.....	CA 1.....	University Place
Ellison, Ura Hester.....	A 4, T 4.....	Superior
Ellsworth, Ralph Augustus.....	CAu.....	Council Bluffs, Ia.
Ellwanger, Barbara Elizabeth.....	A 1.....	Lincoln
Elston, Harry Richard.....	A 1, (M).....	Columbus
Elwell, Susan Bernice.....	CA 1.....	Springfield
Elwell, Joseph Money.....	CA 3.....	Springfield
Ely, Glen Allen.....	A 1, C.....	Guide Rock
Emerson, Frank Leon.....	A 1.....	McCook

ROSTER OF STUDENTS

549

Name	College and Year	Home Address
Emerson, Joseph.....	E 1, (THS).....	North Bend
Emerson, Paul.....	E 1, (THS).....	North Bend
Emery, John Alvin.....	A 1, C.....	Scottsbluff
Emley, Arthur Averill.....	L 3.....	Wisner
Engel, Anton William.....	E 2.....	Newcastle
England, Samuel Harry Omer.....	A 1.....	University Place
English, Dorothy May.....	Au.....	Lincoln
Engstrom, Ernest Fridolf.....	E 2, (Ex.).....	Omaha
Enochs, Louise Jane.....	CA 2.....	Sheridan, Wyo.
Ensign, James Wills.....	L 1.....	Lincoln
Ensign, Pauline B.....	A 2.....	Lincoln
Ensminger, Jessie Pauline.....	A 3, FA.....	Brunswick
Enyeart, Bertha.....	Au, (Ex.).....	Exeter
Enyeart, Gladys Lillian.....	A 1.....	University Place
Enyeart, Ruth Elaine.....	CA 4, T 4.....	University Place
Erazim, Elizabeth Eleanor.....	A 3, FA.....	Ravenna
Erazim, Lucille Evelyn.....	A 2, FA.....	Ravenna
Erickson, Paul Alfred.....	A 2, C.....	Lincoln
Ertel, Jess Louis.....	L 1, (S).....	Geneva
Ervin, James Robertson.....	A 1.....	Lincoln
Erwin, Grace.....	A 4, T 4, (S).....	Gilead
Erwin, H. Hyle.....	A 2.....	Bancroft
Eskildsen, Eskild Karl.....	A 2, (M, Ex.).....	Lincoln
Essert, William J.....	CA 3.....	Kearney
Estes, Elmer Forrest.....	A 1, C.....	Lincoln
Estes, Winifred.....	A 3.....	Glenwood, Ia.
Eusden, Ralph Bonner.....	M 3.....	Marne, Ia.
Evans, Ara Isabelle.....	A 2, (S).....	Seward
Evans, John Ernest.....	E 1.....	Lincoln
Evans, Perry Lenard.....	A 1.....	Fairbury
Everett, Earl Alexander.....	G.....	Mullen
Everett, Ernest Alfred.....	A 1, (Ex.).....	Lincoln
Everett, Vivian Anna.....	A 1, (S).....	Union.
Eversole, Merle Alice.....	A 2, T 2.....	Lincoln
Everts, Glenn Stearns.....	A 4.....	Lincoln
Everts, Mary Hanson.....	CA 2.....	Lincoln
Ewing, Edward Raymond.....	CA 1.....	Lincoln
Ewing, Frances McKinnon.....	A 1, (Ex.).....	Roca
Ewing, Halle Laura.....	G.....	Lincoln
Eyerly, James Bryan.....	M 1.....	North Loup
Fahrenbruch, William Henry.....	M 1.....	Culbertson
Fairchild, Eva Lucille.....	A 1, (S).....	Endicott
Fairley, Emily D.....	CAu.....	Bethany
Falck, Paulus Fred.....	A 3.....	Potter
Falloon, Kate.....	A 1.....	Falls City
Farley, Edward, Jr.....	CA 1.....	Bancroft
Farman, George Alfred, Jr.....	A 1, C.....	Ainsworth
Farquhar, Ruth Lillian.....	A 1.....	Lincoln
Farr, Fred Chester.....	Eu, (S).....	Lincoln
Farrell, Leilabeth.....	A 2.....	Lincoln
Fate, John Edgar.....	CA 4.....	Lincoln
Faulhaber, Marie Helen.....	G, Ed, (S).....	Lincoln
Faulkner, Richard William.....	CAu.....	Lincoln
Fay, Leon Warren.....	E 3.....	Blue Hill
Feary, Dorothy Ollie Onnie.....	A 2, FA.....	Seward

Name	College and Year	Home Address
Fehlman, Caroline Anna	Au	Lincoln
Ferguson, Ollin Wayman	G	Lincoln
Fetterman, Esther Lydia	A 1	Lincoln
Fetterman, Ruth Evelyn	A 1	Lincoln
Field, Edmund	A 4, (S)	Lincoln
Figi, Fred A	M 3	Sutton
Fillingham, Mary Irene	A 2, (S)	Peabody, Kans.
Fight, Olga Mae	Au, (THS, S)	Ewing
Filley, Horace Clyde	G	Lincoln
Finlay, Ethan Clyde	G, Ed, (S)	Omaha
Finley, Howard John	G, Ed, (S)	Grand Island
Finley, Reuel C	A 1, (S)	Grand Island
Finney, Lawrence E	A 2	Lincoln
Finstrom, Arthur LeRoy	A 1, C	Tilden
Fischer, Viola Ingeborg	A 1	Webster Groves, Mo.
Fishback, Oscar Herald	CA 4	Beatrice
Fisher, Arden D	2 P 2	Oxford
Fitch, Elizabeth Maude	A 1	Omaha
Fitch, Frank David	E 2	Lincoln
Fittl, Bess Rose	Au	Swanton
Fittl, William Walter	CAu, (SA)	Swanton
FitzGerald, Helen	Au, FA	Lincoln
Fitzgerald, Lenor S	A 4, (S)	Omaha
FitzGerald, William Keith	A 2, C, (S)	Lincoln
Fitzpatrick, Thomas J	G, (S)	Bethany
Fitzsimmons, Edna	CA 3	Lincoln
Flader, Floyd Burnham	A 1	Lincoln
Flaherty, Joseph Cornelius	Lu	Dixon
Flaherty, Loretta Serena	CA 1, (THS)	Pender
Flanery, Dawn Tennyson	A 2	Catlettsburg, Ky.
Fleck, Irene B	A 4, T 4, (S)	Lincoln
Fleck, Vera Mary Olive	A 3, C, (S)	Lincoln
Fleetwood, Leonard Titus	L 3	Wakefield
Fleming, Marion B	CA 1	Cedar Bluffs
Fleming, Paul Dow	A 1	Wilsonville
Fleming, Victor S	E 1	Phillips
Fleming, William	G, Ed, (S)	Ansley
Fletcher, George	2 P 2	Tilden
Fletcher, J. Bryan	CA 2	Bancroft
Flint, William Spencer	A 2	Omaha
Flood, Ethel Letitia	A 2, T 2	University Place
Flood, Francis Arthur	A 1	University Place
Flothow, Paul George	A 2, (M)	Omaha
Flynn, John Paul	A 1	Jackson
Flynn, William Hugo	A 2, (C)	Hastings
Foale, Mabel Arlene	A 1	Table Rock
Foe, Glenheim	A 1, (Ex.)	Red Cloud
Fogelstrom, Ernst Luther	2 P 2	Wahoo
Fogerty, Edward J	A 1	Havelock
Fogg, Eleanor Virginia	A 2	Lincoln
Folda, Lamar	A 2, (S)	Lincoln
Folda, Laura	A 3	Clarkson
Folken, Garrett, Jr	M 3	Schuylcr
Folling, George	A 1, (M)	Lincoln
Folsom, Phebe	A 4	Lincoln

Name	College and Year	Home Address
Folsom, Willard Miller	L 2	Lincoln
Fonda, Raymond Dunton	CA 1	St. Edwards
Forbes, Alice Louise	CA 1	York
Forbes, George Joseph	A 1, C	York
Ford, Carl Smith	A 2	Enid, Okla.
Ford, David True	A 3, (M)	Lincoln
Ford, Isabel A. Oldham	A 4	Kearney
Ford, Roy Bowen	A 2	Bertrand
Forde, Vida Mavis	A 1	University Place
Forney, Ethel L.	A 4, (S, Ex.)	Oelrichs, S. D.
Forrest, Ronald Cameron	A 1, C	Lincoln
Forsyth, Gladys McCue	G, Ed.	College View
Fortna, Ralph Edward	CA 2	Octavia
Foster, Bess	G, Ed, (Ex.)	Sterling
Foster, Celia Agnes	G	Lincoln
Foster, Charles DeWitte	A 3	Lena, Wyo.
Foster, Clyde Charles	3 P 2	McGrew
Foster, Edward Swanson	A 1	Omaha
Foster, Fred Kleber	A 1	Woodward, Okla.
Foster, Lucile	A 3	Lincoln
Foster, Traverse Schofield	A 2	Upton, Wyo.
Fouts, Averil Elizabeth	CA 2, T 2	Diller
Fouts, Henry Waldon	L 2	Diller
Fouts, Paul Albert	M 1	Central City
Fowler, Frank Parker	A 2	Lincoln
Fowler, James Gwynne	A 2, C	Bellevue
Fox, Bertha	CA 2	Scottsbluff
Fox, Harold Edwin	E 1	Bladen
Fox, Ruth Rheem	A 1	Geneva
Foxwell, William Harris	E 2	Union Grove, Wis.
Foxworthy, Vesta	A 3, (THS, S)	Lincoln
Fradenburg, Kendall Mead	CA 2	Omaha
Frampton, Eleanor Caroline	A 3	Lincoln
France, Charles William	E 4	Millford
Frandsen, Charles	M 3, (S)	Elba
Franklin, Robert Leslie	CA 1	Julesburg, Colo.
Franklin, N. Victor	A 4, (S, Ex.)	Cambridge
Frater, Thelma	CA 1	North Platte
Frazier, Arthur William	Eu, (THS)	Lincoln
Freeborn, Hugh John	A 3, (S)	Swanton
Freeman, Genevieve Evelyn	A 1	Lincoln
Freeman, Orell Waldo	A 2, T 2	Sheridan, Wyo.
Freidel, Hugh Frederick	M 2	Dorchester
French, Bryan Henry	CA 3	Page
French, Edith	A 1	Lincoln
French, Oscar William	M 1	Page
Frey, Charles Millard	A 4, L 1, (S)	Lincoln
Frey, Clarence Elmer	Pu	Lincoln
Frey, Mary	A 1, (S)	Sterling
Fritchhoff, Alma Catherine	A 4, (S, Ex.)	Omaha
Frost, Roland Meredith	G, (S)	Lincoln
Frum, Mary Alice	G, Ed.	Shelby, Ia.
Frundell, Lester Ross	E 1	Crete
Frye, Ellis Kingsley	A 3, (S)	Panama
Fuchs, Rudolph	A 2	Stanton

Name	College and Year	Home Address
Fudge, Elizabeth May.....	Au, (S).....	Ulysses
Fuerst, Henry Fred.....	A 1.....	Battle Creek
Fulk, Ellsworth LeRoy.....	A 2.....	Atlanta
Fulk, Joseph Richard.....	G, Ed, (S).....	Lincoln
Fulk, Lucile.....	A 2, (Ex.).....	Atlanta
Fuller, Arthur Findley.....	E 1.....	Pawnee City
Fuller, C. Rex.....	Mu, (S).....	Emerson
Fulton, Arturo Joseph.....	G, Ed.....	Whitman
Fulton, Hazel Mildred.....	Au, FA.....	Abilene, Kans.
Fulton, Raymond Allinson.....	E 4.....	Lincoln
Funk, Angeline Ione.....	Au, FA.....	Bloomfield
Funke, Eimo George.....	A 2.....	Blue Hill
Furgason, Leota Whiting.....	A 1, FA.....	Lincoln
Fussell, Jessie Newell.....	Au, FA.....	Geneva
Fussell, Lola Marie.....	A 3, (S).....	Geneva
Gaddis, Porter Lemuel.....	G, CA 4, (S).....	Lincoln
Gaddis, Vaughn Edgar.....	A 1.....	Hastings
Gakemeier, Elenora Martha.....	A 2, (Ex.).....	Rising City
Galbraith, Claude E.....	A 3.....	Beemer
Galbraith, Lillian Irene.....	Au, (S).....	Beemer
Galbraith, Lulu Faye.....	A 1, (S).....	Beemer
Gale, Margaret Marie.....	CA 4, T 4.....	Beatrice
Gallagher, Donald F.....	A 1.....	O'Neill
Gallatin, Dent E.....	A 2.....	Bartley
Gallentine, Virginia Gertrude.....	A 3, T 3.....	Kearney
Galloway, Cecil Fletcher.....	A 1.....	Wahoo
Galloway, James Washington.....	E 4.....	Holdrege
Gamble, Eliza Emma.....	A 2.....	Mead
Gantt, Sybil.....	A 1.....	North Platte
Ganz, Carl Donald.....	L 3.....	Dunbar
Ganz, Robert Ellis.....	CA 3.....	Dunbar
Gardiner, James St. Clair.....	CA 3.....	Omaha
Gardner, Grace Beatrice.....	A 3.....	Gering
Gardner, Hattie Ernestine.....	A 3, T 3.....	Grant City, Mo.
Gardner, Kathryn Marie.....	A 3, T 3.....	Grant City, Mo.
Gardner, Morris Gilbert.....	A 3.....	Curtis
Gardner, Spray LaFayette.....	L 3.....	Valentine
Garey, Grace Sylvia.....	CA 2.....	Beaver City
Garey, Myron Jackson.....	A 3.....	Beaver City
Garner, Grayson Conrad.....	A 1.....	Osceola
Garrett, Emma Carlotta.....	CA 2.....	Madison
Garrett, Martha Elizabeth.....	A 1.....	Madison
Garrett, Melvin Miller.....	E 4.....	Madison
Garrison, Everett Jesse.....	A 3.....	Summerfield, Kans.
Garrison, Fred.....	E 4.....	Lincoln
Garrison, William Lewis.....	E 3.....	Sutton
Garten, Eleanor Delight.....	A 3, T 3, FA.....	Lincoln
Gass, Lucile Wendell.....	A 4, T 4.....	Plattsmouth
Gates, Clarence Ray.....	A 4, (S).....	Blair
Gates, Fannie.....	Au.....	Belleville, Kans.
Gavenman, Jacob David.....	E 2.....	Omaha
Gay, Frances Cleveland.....	Au, (S).....	Prairie Home
Gayer, Harrison LaFayette.....	A 4, L 1.....	Lincoln
Gee, Marion Louise.....	A 4, T 4.....	Lincoln
Geer, Glenn Geiger.....	A 2.....	Liberty

ROSTER OF STUDENTS

553

Name	College and Year	Home Address
Geesen, Edward J.	A 2.	Seward
Gehring, Ralph Eubanks	E 1.	Superior
Geigel, Anne	A 1.	Algona, Ia.
Geiger, Carl Edwin	L 2.	Lincoln
Geistfeld, Harry Fred	A 2.	Washington, Kans.
Gelwick, Myrtle Margie	A 4, (S, Ex.)	Ulysses
Gentry, Harold Ellis	E 4.	Gering
George, Gladys Lydia	A 1.	South Sioux City
Gere, Raymond Travers	A 1.	Lincoln
Gergens, Buell Jennings	A 1.	Humboldt
Gerhart, Sanford Robinson	A 1.	Newman Grove
Gerhart, Kathryn E	A 4, T 4.	Newman Grove
Gerrie, Wallace Anderson	M 1.	Omaha
Gibbons, Eva Ellen	A 3, FA.	Comstock
Gibbons, Walter Edward	CA 2.	Comstock
Gibbs, Archie Baird	Au, (M).	Rock River, Wyo.
Gibbs, Edna L.	M 1.	Omaha
Giffin, James Leslie	L 2.	American Falls, Idaho.
Gifford, Sanford Robinson	M 4.	Omaha
Giger, Julius Caesar	E 1.	Guide Rock
Gilbert, Charles Sterette	Au, (S).	Friend
Gilbert, William Conner	A 1.	Omaha
Gildersleeve, Harry Dale	A 3.	Wayne
Giles, George Herbert	A 4, T 4.	Wilsonville
Gilfry, Grant Sterling	E 1.	Omaha
Gill, Helen	A 1.	Fort Morgan, Colo.
Gill, Lucille Otis	A 1.	Fort Morgan, Colo.
Gillen, Irwin Falker	L 1.	Lincoln
Gillern, Larue	A 2, T 2.	Bethany
Gillette, Edward	A 3, C.	Holdrege
Gillette, John Rodney	E 1.	Wilsonville
Gilligan, George Ward	CA 2, (S).	Lincoln
Gillilan, Mildred Margaret	A 2.	Hardy
Gilmore, Leona May	A 1.	Red Oak, Ia.
Gilmore, Nettie Cornelia	Au, (Ex.)	Lincoln
Giltner, Helen Louise	CA 1.	Omaha
Gingrich, Randolph Forney	A 1.	Superior
Girard, Madeline	A 2, (S).	Lincoln
Gish, Edna Miller	G.	Lincoln
Gish, Wesley Gibson	A 1.	Lincoln
Gist, Anna Margaret	A 2.	Falls City
Giwits, Helen Marie	A 4, (S).	Omaha
Glade, William Patton	CA 4.	Lincoln
Glaser, Walter Leonard	E 4.	Stanton
Glass, Jessie June	G, (S).	Lincoln
Glasser, Charles Edwin	E 4.	Bradshaw
Glebe, Frank Luther	L 1, (Ex)	Fairbury
Glebe, Harvey McNeil	E 1.	Beaver City
Gleed, Edna Wano	CA 1, (S).	Chambers
Glenn, Ray Fielding	A 3.	Lincoln
Glover, Robert Ellsworth	E 2.	Ord
Gnam, Lillian Therese	A 3.	Carroll, Ia.
Goff, Hugh Adelbert Harding, Jr.	CA 3.	University Place
Goke, Alvin William	A 1.	Pierce
Gold, Henrietta Mayer	A 3.	Lincoln

Name	College and Year	Home Address
Goldsmith, Everett Lee.....	A 3.....	Lincoln
Good, Georgian Olive.....	CA 3, (S).....	Cowles
Gooden, Alice.....	A 1, (S).....	Hubbell
Goodfellow, Sidney Robert.....	CA 1.....	Greenwood
Goodman, Walter Frank.....	A 4.....	Cody, Wyo.
Goodrich, Cecyl Florence.....	A 3, T 3.....	University Place
Goodrich, Mary Irene.....	A 4, T 4, (Ex.).....	Lincoln
Goodsell, Minnie Elizabeth.....	A 2.....	Craig
Goodwin, Hildred.....	A 3.....	Mitchell
Gordon, Dorothy Thelma.....	A 1, (THS).....	Lincoln
Gordon, Livingstone Albert.....	A 1.....	Lincoln
Gordon, Stanley Livingston.....	Au.....	Kansas City, Mo.
Gorey, Francis Patrick.....	E 1.....	North Bend
Goss, Effa Dale.....	A 3, (S).....	Lincoln
Gould, Elizabeth Seymour.....	A 1.....	Omaha
Gould, Harry Garvin.....	CA 2.....	Lincoln
Grabill, Blaine Chester.....	A 1.....	Sidney
Gradwohl, Harry Milton.....	A 1.....	Lincoln
Graf, George H.....	Au.....	Lincoln
Graf, Glen Vivian.....	A 1, C.....	Graf
Graf, Lon Russel.....	A 1.....	Tecumseh
Graff, Carl Henry.....	L 2.....	Beatrice
Graham, Alfred Clifton.....	M 1.....	Julian
Graham, Bernice Mildred.....	A 3.....	University Place
Graham, Blanche.....	CA 2, T 2, (S).....	Lincoln
Graham, Donald Alexander.....	A 2, (M).....	Alliance
Graham, Edith Laurene.....	A 1.....	Lincoln
Graham, Ethel Victoria.....	A 4, T4.....	University Place
Graham, Marjorie Estelle.....	A 3, T 3.....	Lincoln
Graham, Roy.....	A 1.....	Summerfield, Kans.
Graham, Victor Cunningham.....	A 2.....	Tolland, Colo.
Graham, Wayne.....	G, Ed (S).....	Julian
Gramlich, Louis Trumble.....	G.....	Lincoln
Granger, Clarence Walter.....	A 1.....	Ulm, Wyo.
Grant, Myron Ambrose.....	Au.....	Lincoln
Grant, Richard Schell.....	2 P 2.....	Beatrice
Grau, Chester Henry.....	CA 3.....	Washington
Grau, Walter P.....	A 1, (M).....	Denison, Ia.
Gravatt, Lilia.....	Au.....	Lincoln
Gravatt, Ross Ellsworth.....	A 2.....	Lincoln
Graves, Josephine E.....	A 3, (S, Ex.).....	Falls City
Gray, Arthur Merwin, Jr.....	A 2, C.....	Columbus
Gray, Gertrude.....	A 1.....	Riverton
Gray, Lewis Harold.....	CA 1.....	Clay Center
Gray, Ulysses Sherman.....	A 1.....	Lincoln
Gray, Viola Clarke.....	G, (S).....	Lincoln
Grebe, Olive Kathryn.....	Au.....	Lancaster, Wis.
Green, Bertha S.....	CA 1.....	Stromsburg
Green, Edna.....	A 2.....	Lincoln
Green, Harold Meredith Wilson.....	A 1.....	Billings, Mont.
Green, Katherine Mills.....	G.....	Lincoln
Green, Lucy Garrison.....	G, (S).....	Lincoln
Green, Marjorie.....	A 4, (S).....	Lincoln
Green, Ralph Dennis.....	M 2, (S).....	Beaver City
Greenlee, Albert David.....	E 3.....	Sidney

ROSTER OF STUDENTS

555

Name	College and Year	Home Address
Greenlee, Roy Ernest.....	CA 1.....	Sidney
Greer, LaNelle Marguerite.....	A 1, FA, (S).....	Lincoln
Greeson, Leona.....	CA 1.....	Lincoln
Gregg, Edward O.....	Lu.....	Havelock
Grennan, John.....	Eu, (S).....	Lincoln
Grewe, Emily Helene.....	A 4, (S).....	Chadron
Grewe, Frances.....	A 4.....	Chadron
Gribble, Harold Everet.....	CA 3.....	Dakota City
Gridley, Cecil John.....	A 1, C.....	Mound City, Mo.
Griesel August George.....	G, Ed, (S).....	Lake Norden, S. D.
Griess, Rudolph Otto.....	M 2.....	Sutton
Griffith, Elizabeth.....	Au.....	Lincoln
Griggs, Caroline Emma.....	A 1.....	Omaha
Grimes, George E.....	A 3, (Ex.).....	Omaha
Grimes, John Herbert.....	E 3.....	Billings, Mont.
Griswold, Florence Clarissa.....	A 2, T 2.....	Gordon
Griswold, Wallace Newton.....	CA 1.....	Lincoln
Grodinsky, Manuel.....	M 1.....	Omaha
Groom, Roy Clifton.....	A 1.....	Plainville, Kans.
Gross, Dominic Leo.....	CA 2.....	Wisner
Gross, Frances.....	Au, (Ex.).....	Blair
Group, Celia Ada.....	A 3, FA.....	Louisville
Grove, Curtiss Charles.....	A 2.....	Lincoln
Grove, Nelda Lydia.....	Au.....	Lincoln
Groves, Benjamin Harrison.....	A 1, (Ex.).....	Franklin
Gruber, Emmanuel.....	E 1.....	Ord
Grummann, Norma Frances.....	A 1, (S).....	Lincoln
Grunwald, Hilda Alma.....	A 1.....	Pierce
Gruntorad, Emil L.....	Au, (S).....	Abie
Grush, Jesse Howard.....	CA 1.....	Falls City
Gude, Leo J.....	E 1.....	Hamburg, Ia.
Guildner, Harry Carlon.....	E 2.....	Lincoln
Guinn, Grace Hawley.....	CA 1.....	Lincoln
Grummere, Lloyd Earl.....	2 P 2.....	Stratton
Gunther, Carl.....	A 1.....	Weeping Water
Gustaison, Herbert Carl.....	E 1.....	Benson
Gutberlet, Edward Ludwig.....	A 4.....	Lincoln
Gutberlet, Samuel Archibald.....	G, (S).....	Lincoln
Guthrie, Mary Evelyn.....	CA 3, T 3.....	Lincoln
Haag, Grace Clarabelle.....	G, Ed.....	Clay Center
Haag, Lucile Lela.....	A 1.....	Alma
Haas, Elmer Philip.....	A 1, C.....	Princeton
Hadley, Howard.....	L 3.....	Lincoln
Hadley, Stuart S.....	A 2.....	Lincoln
Hagelin, Clarence Elmer.....	CA 4, T 4.....	Wahoo
Hagelin, Paul Albert.....	G.....	Wahoo
Hager, Claribel Lea.....	A 1.....	Bellwood
Hager, William Herold.....	A 2.....	Lincoln
Hagerman, Alva Lloyd.....	E 3.....	Lincoln
Haggard, Raymond.....	CA 1.....	Wenatchee, Wash.
Haggert, Helen Elizabeth.....	CA 1.....	S t.Paul
Haggert, Virgil James.....	L 3.....	St. Paul
Haggerty, Bethel.....	A 1, (S, Ex.).....	Lincoln
Haggerty, Myrtle Golda.....	A 1, (S).....	Lincoln
Hahn, Annie Myrtle.....	Au, (S).....	Lincoln

Name	College and Year	Home Address
Hahn, Ralph Waldo	L 3	Wayne
Hahn, Robert Royal	L 2	Lincoln
Hainer, Catherine Rice	A 2	Webster Grove, Mo.
Haines, Hazel	A 1	Franklin
Halbersleben, Helen S.	A 2, T 2	Lincoln
Halbersleben, Paul	A 4	Lincoln
Hald, Blanche Merwin	Au	Lincoln
Haley, Clarence Edward	A 1	Valentine
Haley, John Mervyn	E 1	Pawnee City
Hall, Alfred W.	E 1	Kimball
Hall, Edith Dillon	A 1	Kimball
Hall, Edwin G.	A 2, C.	Lincoln
Hall, Forest Roscoe	E 3	Callaway
Hall, Henry Floyd Melvern	A 3	Lincoln
Hall, Marian Brew	A 2	Lincoln
Hall, Nancy Ruth	A 1	Elk Creek
Hall, Oscar Earl	A 4	Pawnee City
Hall, Summer B.	CA 1, (SA)	Alvo
Halldorson, Raluph Emerson	A 4	Lincoln
Halle, Alice Belah	A 3, T 3, (S)	St. Helena
Haller, Mary	CA 4, T 4	Omaha
Halligan, Victor Hugo	L 3	North Platte
Halliwell, Robert Sylvester	2 P 1	Odessa
Halverstadt, Roamaine Mervin	A 2, C.	Lincoln
Hamersly, Owen	A 4, (S, Ex.)	Villisca, Ia.
Hamilton, Herman Waugh	Au	Lincoln
Hamilton, Leon	E 2	Wahoo
Hammond, George Elliot	CA 1	Lanark, Ill.
Hanapel, Alfred John	E 1	Spalding
Hand, Owen Salisbury	A 4, C, (S)	Peoria, Ill.
Handy, George Adair	CA 3	Denver, Colo.
Haner, Irma	A 1	Bethany
Haney, Frank Dallas	Au, (Ex.)	Lincoln
Hanisch, Edward Carl	M 3, (S)	Rockville
Hanlen, Grace Mathilda	CA 4, T 4	Tilden
Hanlen, Wayne Edwin	CA 4	Tilden
Hanmont, Frank J.	CAu	Broken Bow
Hanna, Ada Belle	A 4, T 4, (S)	Lincoln
Hanneman, Inez Wilhelmina	A 1	Lincoln
Hans, Oscar Ernest	A 4	Lincoln
Hansen, Alex Frederik	4 P 1	Lincoln
Hansen, Carrie Christine	Au, (S)	Hubbard
Hansen, Christene, ts	Au	Upland
Hansen, Ella Marie	4 P 3	Lincoln
Hansen, George Garfield	A 3, (S)	Hampton
Hansen, George H.	A 2, (Ex.)	Hayes Center
Hansen, Laurits Christian	Au, (S)	Weston, Ia.
Hansen, Lester Ward	A 1, C.	Omaha
Hansen, Lillian Viola	A 1, FA	Sioux City, Ia.
Hansen, Minnie Elizabeth	Au (S)	Harlan, Ia.
Hanson, Clarence Benjamin	A 1	Shickley
Hanson, Lillian Ethel	Au (S)	York
Hanson, Robert Fair	CA 1	Wakefield
Happold, Carl Adolf	E 2	Grand Island
Harden, Florence	Au, (S)	Utica

ROSTER OF STUDENTS

55

Name	College and Year	Home Address
Hardin, George Leon.....	A 2, (M).....	Alma
Harding, Brooks Bridgeford.....	A 2.....	Humboldt
Harding, Paul Orpheus.....	E 1.....	Lincoln
Hardy, Clyde Clarence.....	4 P 1.....	Columbus
Hargiss, Gerald Drache.....	E 1.....	Lincoln
Harlan, Dale.....	A 2.....	Lincoln
Harlan, Gladys.....	A 2, T 2.....	Lincoln
Harlan, Glen Burbank.....	2 P 1.....	Woodbine, Ia.
Harman, Maude.....	Au, (S).....	Lincoln
Harman, Suzan Emolyn.....	A 4.....	Peru
Harmon, Margaret Athenisea.....	A 1.....	Lincoln
Harms, Mamie Lucy.....	A 1.....	Norfolk
Harney, LeRoy James.....	L 3.....	Wagner, S. D.
Harnsberger, Carl Wesley.....	A 2.....	Ashland
Harper, Dana E.....	A 1.....	Beaver City
Harper, Henry Cameron.....	A 1, (S).....	University Place
Harrah, Earl LeRoy.....	A 1.....	Milford
Harrell, Vinta Burger.....	A 1.....	University Place
Harrington, Frank.....	A 1.....	O'Neill
Harris, Arthur Raymond.....	E 3.....	Cameron, Mo.
Harris, Harry Butler.....	A 1.....	Hanover, Kans.
Harris, Harry Edwards.....	A 1.....	Fairbury
Harrison, Eileen M.....	Au.....	Lincoln
Harrison, Ray Leslie.....	E 1.....	Aurora
Harstine, Mildred May.....	A 1, (S).....	Lincoln
Harte, Bruce Samuel.....	2 P 1.....	Gibbon
Hartley, Ethel Pierce.....	A 4.....	Lincoln
Hartley, Olive.....	A 1.....	Lincoln
Hartley, Willard Aaron.....	A 4.....	Lincoln
Hartman, Lassara Ruth.....	CA 3.....	Springfield, S. D.
Hartman, Leonard Colby.....	A 3, C.....	Lincoln
Hartwell, Mary Antoinette.....	A 3, T 3.....	Clarks
Harvey, Addison L.....	A 3, C.....	Logan, Ia.
Harvey, D. Hale.....	E 1.....	Newman Grove
Harvey, George Hubert.....	A 1, C.....	Logan, Ia.
Harvey, Harry Evans.....	M 1, (Ex.).....	Star
Harvey, James Alexander.....	Eu.....	Lincoln
Harvey, Parnelle.....	A 3, (Ex.).....	Wauneta
Harvey, Walter Carlton.....	M 1.....	Madison, S. D.
Haskell, Lula Iva.....	A 1.....	Alma
Hastings, Horace Malcolm.....	E 2.....	Alma
Hastings, Norma Marjorie.....	A 1.....	David City
Hastings, Valdeva Marie.....	A 1.....	David City
Hatfield, Hermine Roper.....	A 3, T 3.....	Lincoln
Hathway, Edna Morgan.....	A 3, T 3.....	St. Joseph, Mo.
Hauser, Byron Terrell.....	A 2, C.....	Hooper
Havens, Mark Edward.....	A 1.....	Omaha
Hawkins, Henrietta Catharine.....	A 4, T 4, (Ex.).....	Ord
Hawn, Dick Hugh.....	E 1.....	Lincoln
Haycock, Ella Marjorie.....	A 1.....	Callaway
Hayden, Myrtle Gladys.....	G, (S).....	University Place
Hayden, Rose Mae.....	A 1, FA.....	Meadow Grove
Hayes, Fred Elmer.....	G, (S).....	Stanton
Hayes, Harold C.....	A 2, C.....	Hardy
Haykin, David Judson.....	A 2, T 2.....	Omaha

Name	College and Year	Home Address
Haynes, James Wilbur.....	A 3, (Ex.)	Omaha
Hays, Anna Grace.....	A 1.....	Falls City
Hays, Byron Gordon.....	CA 4.....	Broken Bow
Heald, Merwyn.....	A 1.....	Wahoo
Hearn, George William.....	CA 2.....	Lincoln
Heasty, William Hambel.....	A 1, C.....	Fairbury
Heath, Carl.....	CA 1.....	Wallace
Hecht, Kenneth George.....	A 1, C.....	Plainview
Heckart, Kathryn Lenore.....	CA 1.....	Lincoln
Heckler, Bernice Stewart.....	G.....	Lincoln
Heckman, William.....	E 2.....	Friend
Hedbloom, Hazelle.....	A 4, (Ex.)	Stromsburg
Hedbloom, Marjorie H.....	A 1.....	Stromsburg
Hedges, Harold.....	CA 1.....	Indianola
Hedlund, Adelaide Merle.....	A 2.....	Lincoln
Hedrick, Mary Isabel.....	A 3, T 3.....	Tecumseh
Hedrick, Orville Lee.....	E 2.....	Pawnee City
Hefferman, James L.....	E 1.....	Jackson
Heider, Charles Frank.....	A 3, (M).....	Elm Creek
Heine, Myra Irene.....	CA 4, T 4, (S).....	Lincoln
Heine, Walter William.....	E 1.....	Lincoln
Heitmann, Henry Herman.....	CA 4.....	Crete
Heitter, Sarah Margaret.....	A 1.....	Broken Bow
Heller, David Glenn.....	CA 3.....	Broken Bow
Heller, Hazel Floy.....	A 2, T 2, (S).....	Davenport
Hellner, Fred Nicholis.....	A 1.....	Lincoln
Hellner, Martha Margaret.....	A 1.....	Oxford
Hellweg, Gladys Almeda.....	A 2, T 2.....	Lincoln
Helzer, Charles William.....	A 4, (S).....	Valentine
Helzer, Kate.....	CA 3, T 3, (S).....	Valentine
Hendee, Lillian Ada.....	A 1.....	Sloan, Ia.
Hendee, Maurea Pearl.....	A 2.....	Omaha
Hendricks, Lorene Augusta.....	A 1.....	Wahoo
Hendrickson, Erie Lamora.....	CA 1.....	Huntley
Hendrickson, James.....	A 3, (S).....	Campbell
Hendrickson, Rhoda Myrtle.....	A 1, (S).....	Huntley
Henline, Flora Frances.....	A 1.....	Lincoln
Henninger, Frank Slattery.....	CA 1.....	Shelton
Henninger, Guy Nelson.....	E 3.....	Shelton
Henninger, Marian Wallace.....	A 2, FA.....	Lincoln
Henninger, Myra.....	Au.....	Lincoln
Henninger, Ruth Antoinette.....	A 3.....	Lincoln
Hennis, Ray.....	E 1.....	Litchfield
Henry, Stanley Arnold.....	A 3.....	Swanton
Hensel, Benjamin Franklin.....	CA 2.....	Lincoln
Hepperly, Ira Willard.....	CA 3.....	Norfolk
Herbert, Walter Mahlon.....	A 1.....	Lincoln
Herman, Fred Louis.....	A 2.....	Lincoln
Hermanson, Edwin William.....	A 1.....	Campbell
Herrick, Dora Alys.....	A 1, FA.....	Broken Bow
Herrick, Ralph Ensign.....	A 1.....	Ravenna
Herrick, Wallace Bryan.....	A 1.....	Lincoln
Herkner, Felecia A.....	A 4, (S).....	Dresden, Germany
Herrmann, Albert Edward.....	A 3, (M).....	Lincoln
Herrmann, Omer Wesley.....	CA 1.....	Corder, Mo.

ROSTER OF STUDENTS

559

Hermann, Walter Wesley	CA 2	Lincoln
Herstad, Helen Osbourn	Au	Broken Bow
Hess, Helen Fay	A 1, (Ex.)	Coleridge
Hesseltine, Marjorie K.	A 1, FA	Forest Grove, Ore
Hester, Alice Meroe	A 1	Benkelman
Hetrick, Florence Genevieve	A 1, (THS)	Lincoln
Hetrick, Marjorie Lucille	A 2	Lincoln
Hewitt, Dean Myers	CA 4, (S)	David City
Hewitt, Dorothy	A 1	David City
Hewitt, Helen Bernice	A 2, T 2	Alliance
Hewitt, Homer Guy	L 3	Lincoln
Hewitt, Roscoe Stanley	L 1	Lincoln
Hewitt, Sarah Thurman	A 3	Lincoln
Heyler, William Frederick	A 3	Edmond, Okla.
Hiatt, Lulu Blanch	G	College View
Hiatt, Marjette May	G, (S)	Sidney, Ia.
Hibben, Robert Cann	G	Lincoln
Hibbs, Clara Mae	A 1	Bethany
Higgins, Blanche Glade	A 3	Shubert
Higgins, George Hubert	A 1, (M)	Hartington
Higgins, Olive Frane	CA 2	Idaho Falls, Ida.
Hildreth, Helene Hope	A 2, T 2	Lyons
Hildreth, Miles Carroll	A 1	Lincoln
Hileman, David Joyce	E 3	Julesburg, Colo.
Hill, Alice Maud	Au	Lincoln
Hill, Arthur Lorn	G, Ed, (S)	Crete
Hill, Benjamin James	A 1, C	Hebron
Hill, John Bryan	E 1	Beaver City
Hill, Leonard Wells	A 2, C	Lincoln
Hill, Leuviey M.	Au, (S)	Lincoln
Hiller, William John	G	Lincoln
Hilmers, Carl Theodore	CAu, (S)	Lincoln
Hilton, Helen Beatrice	A 1	Lincoln
Hilzinger, Julia May	A 3, (S, Ex.)	Platte Center
Himes, Minnie Grinstead	G, Au, (S, Ex.)	Lincoln
Hinckley, Ruth	Au	Havelock
Hindman, Emily Sara	A 1, (S)	Chester
Hinds, A. Therman	A 1, C	David City
Hinds, Clarence Edwin	A 3, C	Odell
Hinkle, Nick	Au, (M)	Bigelow, Mo.
Hinman, Eleanor Hamlin	A 1	Lincoln
Hinman, Russell James	A 1	Redfield, S. D.
Hinshaw, Jessie Rebecca	A 1	Beaver City
Hinze, Alfred Franz	A 3	Rising City
Hinze, Ernest Carl	E 1	Rising City
Hixenbaugh, Frank Leslie	A 3, L 1	Omaha
Hixenbaugh, Marie Hope	A 2	Omaha
Hlava, Adolph Virgil	E 4	Ravenna
Hoadley, Sidney A.	A 4	Lincoln
Hoberg, Elsie Mildred	A 3, T 3	Nebraska City
Hobson, Cloy St. Clair	G, (S)	Beaver City
Hoepfner, Mamie Ruth	A 1, (S)	Ord
Hofeldt, John H.	Au, (S)	Santee
Hofer, Busben	A 2, (M)	McCook
Hoffman, Charles Clarence	A 4, (S)	Lincoln
Hoffman, Charles J.	A 1, C	Wahoo

Name	College and Year	Home Address
Hoffman, Edwin T.	A 1, C.	Harvard
Hoffman, Inah Fredrecca	A 1, (S)	Lincoln
Hoffman, Irma Helen	A 1, (S)	Lincoln
Hoffman, Lloyd Oliver	M 2.	Orleans
Hofman, Ernest Peter	A 1, C.	University Place
Hogarth, Mary Ann	A 3, (S)	Springfield
Hogerson, Carl Weyler	A 2.	Buffalo, Wyo.
Hogg, Anna	Au, (THS, S)	Lincoln
Hogue, James Earl	CA 3.	Crete
Hohl, Clara May	Au.	Albion
Hohl, Martha Margaret	Au, (S)	Prague
Holaday, Lillie Maurine	G, (S)	Lincoln
Holcombe, Clinton Steele	L 2.	Silver Creek
Holcombe, Dent Zoroaster	CAu.	Clay Center
Holland, Gladys Ethel	A 2.	Falls City
Holland, Marvin Kavanaugh	L 1.	Lincoln
Holland, Vivienne	A 3.	Lincoln
Hollenback, Carl Francis	M 2.	Sterling
Hollenback, Chrissie	A 2, T 2.	Columbus
Holley, Harriet Marie	Au.	Lincoln
Holloway, Leigh Kent	E 1.	Sidney, Ia.
Holmes, Allan Ralph	A 1, (M)	Dunbar
Holson, Ruth Patience	CA 1, (S)	Burwell
Holst, Arthur Martenus	A 1, C.	Wausa
Holt, William McKinley	A 3, C.	Lincoln
Holts, Mildred	CA 3.	Lincoln
Holtz, Harold Frederick	E 4, (S)	Burley, Ida.
Holtz, Helen Elizabeth	A 2, T 2.	Omaha
Holtz, Helen Dewey	A 1.	Burley, Ida.
Holz, Maebelle	A 1.	Omaha
Hompes, Addie	Au, (S)	Lincoln
Hompes, Marion Lucile	A 1.	Lincoln
Honzik, Lumir	A 2.	Wilber
Hooker, Leland Arthur	CAu.	Dixon
Hoon, Donald Martin	A 1, (M)	Mitchell, S. D.
Hooper, Mark Lansing	A 2, C.	Holdrege
Hooton, Mary Belle	G, Ed.	Lincoln
Hoover, Raymond Kenneth	M 1.	Haddam, Kans.
Hopkins, Glenn William	E 1, (THS)	Oakland
Hoppe, Laurence William	E 1.	Bartley
Hoppel, Gilbert Sage	Au, (S)	Wausa
Horky, Frank Albert	A 1, C.	Crete
Horley, William G.	Au, (M)	Lincoln
Horn, DeVerre Jennings	E 1.	Hampton
Horn, Maurice Erny	A 1.	Creighton
Horner, Eben James	A 1.	Laredo, Mo.
Horner, Grace Luella	A 4, T 4.	Beatrice
Horrum, Ruth Helen	A 3, T 3.	Auburn
Horsefall, Alice Evelyn	A 3, T 3.	Flandreau, S. D.
Horsley, Bertha M.	Au, (S)	Decatur
Horst, Cecil Albert	E 1.	Madison
Horst, Hazel Jessie	A 1.	Madison
Horst, Roy Emerson	CA 1.	Osceola
Horton, Caroline Jessamine	A 1.	Lincoln
Hostetter, Pansy Helen	A 4, T 4.	Douglas

ROSTER OF STUDENTS

561

Name	College and Year	Home Address
Hotchkiss, Jessie May	A 2	Lincoln
Houchen, Lydia Hazel	A 2, (S, Ex.)	Beaver Crossing
Hough, John Walter	M 2	Lincoln
Houmark, Willie Jensen	A 4, (S)	Minden
Householder, Florence Pearl	Au, (S)	Bladen
Householder, Ruth L.	Au, (S)	Bladen
Houser, Lillian Louise	CA 1	Columbus
Houston, Helen Elizabeth	A 1	Tekamah
Houston, Sallie Davis	G, Ed, (S)	Sheldon, Mo.
Howard, Harold Austin	Au	Ashland
Howard, Helen R.	A 1	Columbus
Howard, Mary Marguerite	A 1	Lincoln
Howe, Burton Meyer	2 P 1, (Ex.)	Valentine
Howe, Helen Miller	A 1	Omaha
Howey, Earle Tamblyn	A 1, C	Beatrice
Howey, Katharyn Arrietta	A 2	Beatrice
Hoxie, Walter Allen	CA 1	North Platte
Hoy, Frances Lee	CA 1	Lincoln
Hoye, Marie Genevieve	A 4, (S)	Omaha
Hromas, Emilie	CAu	North Bend
Hrubesky, Ella	CAu	Lincoln
Hubbard, William Glenn	A 1	Osceola
Hubbell, Harry Louis	E 2	York
Hubka, Ernest Alfred	A 1	Beatrice
Hudson, Roy William	G	Hayes Center
Hudspeth, Harold Mason	A 1, C	Omaha
Huestis, Charles Brown	M 1	Omaha
Huffman, Elwood Corban	4 P 3	York
Huffman, Harry Gusten	A 2, (M)	North Platte
Hugg, Edwin Orville	A 4	Lincoln
Hughes, Arthur Evan	A 4, (S)	Wymore
Hughes, Gladys	CA 3, T 3	Lincoln
Hughes, Gwendolyn	G, (S)	Lincoln
Hughes, Raymond John	A 2, C	Council Bluffs, Ia.
Hughey, Mary Elizabeth	A 1	Nebraska City
Huling, Harold	A 1, C	Waverly
Hull, Nina Cecelia	A 2	Fremont
Hullett, Irene Henrietta	A 1	College View
Hulse, Mary Florence	CA 1	Mankota, Kans.
Hult, Julia Albertine	CAu	Verona
Hult, Selma Amanda	A 3	Verona
Hultman, Joseph Emanuel	2 P 1	Albert City, Ia.
Hummel, Earl Wesley	A 3	Lincoln
Hummel, Helen Emma	CA 1	Lincoln
Hummel, Henry L., Jr.	A 2, C	Lincoln
Humpe, Helen Marie	A 3	Lincoln
Humphrey, Fred Augustine	A 2, (M)	Broken Bow
Hunley, Jay Isaac	A 1	Pawnee City
Hunt, Edwin Harold	Au	Fredonia, Kans.
Hunt, Howard Ernest	A 1	Burwell
Hunt, Katherine Moran	M 1	Omaha
Hunter, Annabel	A 1	Rockport, Mo.
Hunter, Byron Wilson	E 2	Fremont
Hunter, Myrtle Elizabeth	G	Lebanon
Hunter, Wallace Julious	A 1	Plattsmouth

Name	College and Year	Home Address
Huntington, Ben.....	E 3.....	Auburn
Huntley, Donald.....	A 1, (M).....	Pawnee City
Hurka, Mae Emma.....	A 2.....	Cedar Rapids, Ia.
Husmann, Ernest Henry.....	A 4.....	Lincoln
Husmann, Florence Sherman.....	Au.....	Lincoln
Hussey, John Wendell.....	A 4, (S).....	Primrose
Hustead, Mary Estella.....	A 2, T 2.....	Aurora
Husted, Leo Watson.....	Au.....	Lincoln
Hutchins, John Evan.....	A 1.....	Cowles
Hutchinson, Beulah.....	Au, (S).....	Lincoln
Hutchinson, Frances Lenore.....	A 1, FA.....	Lincoln
Hutchinson, Perna Mae.....	A 2.....	Lincoln
Hutson, Hazel Belle.....	A 1, (S).....	Nelson
Hutton, Geraldine.....	A 2, FA, (S).....	Lincoln
Hutton, Ruth Lenore.....	A 1.....	Omaha
Huxford, Walter Scott.....	A 1, (S).....	Crete
Hyatt, Josephine Lorraine.....	A 1.....	Lincoln
Hyde, Nellie Adele.....	CA 3, T 3.....	Norfolk
Hyde, Thomas Lewis.....	CAu.....	Lincoln
Hymer, Clara Brown.....	CA 4, T 4.....	Grand Island
Hypse, Luther William.....	A 1, C.....	Wakefield
Ibson, John Lars.....	L 3.....	Central City
Ichler, Warren.....	Eu.....	Canton, Ohio
Ihm, Joseph Marion.....	CA 2.....	Omaha
Ijichi, Taro.....	Au, C.....	Lincoln
Ilgenfritz, Marion Hazel.....	A 1.....	Lincoln
Inbody, Roy Marion.....	A 3, C, (Ex.).....	Clarks
Ingalsbee, Mattie.....	A 2, T 2.....	Inland
Ingersoll, Arthur William.....	CA 4.....	Lincoln
Ingold, Harvey Howard.....	A 1.....	Milford
Ireland, Will.....	A 1, C.....	Emerson
Ireland, William Burrus.....	A 4, (S).....	Fullerton
Irion, Lettie Rill.....	A 1.....	Scottsbluff
Irwin, George Worthington.....	L 3.....	Bridgeport
Irwin, James LaVergne.....	G.....	Chadron
Isenburg, Elma Margaret.....	CA 1.....	Ashton, Ida.
Isherwood, Elsie M.....	Au.....	Lincoln
Ivers, Darlien Marie.....	M 1.....	Omaha
Jack, True Adeline.....	A 1.....	Lincoln
Jackman, Everett E.....	A 1.....	Elmwood
Jackson, Harry Allen.....	A 1, C.....	Scottsbluff
Jackson, Mary Frances.....	G.....	Lincoln
Jackson, Thomas James.....	A 1.....	Atchison, Kans.
Jackson, William Cable.....	A 2.....	Lincoln
Jackson, Winnifred Edith.....	Au.....	Lincoln
Jacobson, Clara Matilda.....	Au.....	Onawa, Ia.
Jacobson, Ralph Albert.....	A 3.....	Omaha
Jacobson, Wahlfred Carl Oscar.....	A 3.....	Omaha
Jacoby, Esther Hope.....	A 2, T 2.....	Kimball
Jaenike, Richard Carl Albert.....	A 2, 4 M, (S).....	David City
Jahn, Gustav William.....	A 4, (M).....	Lincoln
James, Walter Dudley, Jr.....	L 1.....	Brush, Colo.
James, William Evert.....	2 P 2.....	York
Janda, Albert.....	A 1.....	Central City
Janda, Vincent.....	A 3.....	Geneva

ROSTER OF STUDENTS

563

Name	College and Year	Home Address
Jandrall, John Middleton	A 4, T 4	Clarks
Janes, Ray Floyd	A 1, C	Burwell
Janike, Helen Marie	A 1	Rising City
Janouch, Karl Lawrence	CA 4	Lincoln
Janovsky, Augusta	A 2, T 2	Edgemont, So. Dak.
Janssen, Marguerite	A 1, FA	Beatrice
Janssen, Regina	CA 1	Gothenburg
Jarrett, Florence Marie	CA 1	Milford
Jean, Frank Covert	G, Ed	Lincoln
Jean, Mabel Lenore	A 4	Peru
Jeep, Ida	A 2, (Ex.)	Sioux
Jefferson, Glenn Vernon	A 2, C	Havelock
Jeffords, Lucy Martha	A 4, T 4, FA	Eclipse
Jeffrey, Earl Cranston	A 3	Lincoln
Jeffrey, Hortense	A 1	Lincoln
Jeffrey, Nettie Frances	A 4	Omaha
Jeffrey, William Buckley	A 4, L 1	Sloan, Ia.
Jeffryes, Isa	A 1	Denver, Colo.
Jelen, Anna Antoinette	A 4, T 4, (S)	Verdigre
Jelinek, Lillian Naomi	A 1	Crete
Jenkins, Myrtle	CAu, (S)	Holbrook
Jenkins, Roger Albert	A 3, C	Lincoln
Jenkins, Thomas Nicholas	G	Neligh
Jenks, Florence Alice	A 2	Omaha
Jenks, Florence Margaret	A 4	Avoca, Ia.
Jensen, Alva Henry	A 1, (M)	Minden
Jensen, Anton Henry	A 3	Blair
Jensen, Axel Wilhelm	E 1	Omaha
Jensen, Elmer Charly	A 1	Minden
Jensen, Hans Herman	2 P 1	Audubon, Ia.
Jensen, Howard Cyrus	CA 2	Plainview
Jensen, Oscar Hugo Howard	CA 1	Blair
Jensen, Talma Emil Oscar	L 1	Omaha
Jeppson, Edna Elvera	Au	Mead
Jerman, Joseph Anton	L 2	West Point
Jerman, Stanley Andrew	A 1	Spencer
Jerner, Orion E	A 1, (S) (Ex.)	Polk
Jhung, Yangpil	CA 3, (S)	Seoul, Korea
Jimerson, J. Allen	A 3, (S)	Liberty
Joachim, William Franklin	E 3	Lincoln
Jobst, Herman Robert	E 3	Omaha
Jobst, Susanna	A 1	Lincoln
Johnson, Ada Burkett	CA 4, T 4, (S)	Mead
Johnson, Albert Paul	Au	Broken Bow
Johnson, Beatrice Marie	A 1	Omaha
Johnson, Catherine Olena	A 1	North Platte
Johnson, Chester Arthur	A 2, (M)	Stuart
Johnson, Clarence Bruce	A 1	Wilsonville
Johnson, Clell Howard	Eu	Lincoln
Johnson, Clyde Everett	A 2, C	Norfolk
Johnson, Daisy Inez	A 1	Weeping Water
Johnson, Edith Myrtle	Au	Weeping Water
Johnson, Elmer William	3 P 3	West Point
Johnson, Elsie Luise	A 3, T 3	Broadwater
Johnson, Elvera Anne	A 3, T 3, FA, (S)	Lincoln

Name	College and Year	Home Address
Johnson, Ernest Delogne.....	M 1.....	Omaha
Johnson, Floyd Arlington.....	A 1.....	Wahoo
Johnson, Geraldine Leah.....	A 1.....	Omaha
Johnson, Harry.....	Eu.....	Holdrege
Johnson, Harry D.....	E 1.....	Orleans
Johnson, Harvey Magnus.....	L 1.....	Fremont
Johnson, Helen Dorothy.....	CA 3.....	Omaha
Johnson, Ida B.....	Au.....	Lincoln
Johnson, Irene E.....	A 1.....	Omaha
Johnson, Jeannette.....	CA 4, (S).....	Lincoln
Johnson, Jessie Ruth.....	CA 3.....	Tekamah
Johnson, Joseph Lawrence.....	CA 3, T 3.....	Mead
Johnson, Julius Andrew.....	M 4.....	Omaha
Johnson, Loretta Marion.....	A 2, T 2.....	Lincoln
Johnson, Margaret Blanche.....	A 2, (S).....	Lincoln
Johnson, Myron Vernor.....	A 1, C.....	Lincoln
Johnson, Myrtle Christena.....	A 1.....	Elgin
Johnson, Nora Olive.....	G.....	Bussey, Ia.
Johnson, Paul Albert.....	A 1.....	Broken Bow
Johnson, Roy Melvin.....	A 2, C.....	Lincoln
Johnson, Rudolph Eugene.....	M 3.....	Omaha
Johnson, Ruth Emelie.....	CA 4, T 4, (S).....	Lincoln
Johnson, Tressa Beatrice.....	G, (S).....	College View
Johnson, Walter Clement.....	A 2.....	Omaha
Johnson, Walter Ostergaard.....	E 2.....	Omaha
Johnson, William Thomas, Jr.....	A 2, (M).....	Pawnee
Johnson, Wilmer John.....	2 P 2.....	Gordon
Johnston, Carl Winfred.....	A 1.....	Lincoln
Johnston, Mabel Esther.....	CA 3.....	Holdrege
Johnston, Ruth Eleanor.....	Au, (S).....	Red Cloud
Johnstone, Leslie.....	A 2, (S).....	Lincoln
Jones, Carl Wilfred.....	CA 2.....	Polk
Jones, Carlisle Logan.....	L 2.....	Neligh
Jones, Charles Henry, Jr.....	A 1.....	Spencer, Ia.
Jones, Clarence Abert.....	A 1.....	North Platte
Jones, Dale Glendon.....	A 1.....	Spencer, Ia.
Jones, Emrys Gordon.....	A 1.....	Wymore
Jones, Esther.....	A 2, T 2.....	Lincoln
Jones, Glenn Albert.....	M 1.....	Custer, S. D.
Jones, Jessie Gertrude.....	G, (S).....	Lincoln
Jones, Leata Adeline.....	CA 1.....	Minden
Jones, Marguerite Annette.....	CA 3, T 3, (S).....	Lincoln
Jones, Martin Miller.....	E 1.....	Polk
Jones, Mary Louise.....	A 2, FA.....	Denison, Ia.
Jones, Olive Mildred.....	G Ed.....	Hastings
Jones, Philip Gordon.....	A 3.....	Omaha
Jones, Roberta Emma.....	CA 1.....	Normal
Jones, Ruth.....	A 2, T 2.....	Lincoln
Jones, Thelma Sarah.....	A 2, T 2.....	Madison
Jones, Viola Jane.....	Au, (Ex.).....	Franklin
Jones, Vivian Pearl.....	Au, (THS, S).....	Nora
Jones, Walter Clyde.....	E 2.....	Tecumseh
Jones, Wells Carpenter.....	A 1.....	Farnam
Jordan, Wilber S.....	E 2.....	Bancroft
Jorgensen, Ruth Cathryn.....	A 2, T 2.....	Omaha

ROSTER OF STUDENTS

565

Name	College and Year	Home Address
Judd, Marie Florence.....	A 1, (S).....	Superior
Judd, Walter H.....	A 1, (M).....	Rising City
Judge, Elizabeth Grace.....	Au.....	Lincoln
Judkins, J. Milrae.....	A 3.....	Upland
Judkins, Walter William.....	A 4, (S, Ex.).....	Blue Springs
Jungmeyer, Walter Clarence.....	E 2, T 2.....	Lincoln
Justice, Ada Irene.....	CA 1.....	Long Pine
Kable, George Wallace.....	G.....	Lincoln
Kadlecek, Edward Martin.....	E 3.....	Schuyler
Kaelin, Mabel Ruth.....	A 1.....	Ansley
Kahn, Noah.....	E 1.....	Omaha
Kano, Hisanori.....	G.....	Tokio, Japan
Kappius, Meinolf Valen.....	CA 1.....	West Point
Karlson, Arvid.....	A 1.....	Wahoo
Karlson, Lawrence Rudolph.....	E 1.....	Wahoo
Kastle, Marion Cusack.....	A 4, T 4.....	North Bend
Kauffman, Marguerite Olivette.....	A 4, T 4.....	Hardy
Kauffman, Vincent E.....	E 2.....	Hardy
Kavan, Albert C.....	CA 1.....	Lincoln
Keech, Albert W.....	CA 2.....	Lincoln
Keeffe, Berenice Celestine.....	A 4, T 4, (S).....	Sioux City, Ia.
Keeffe, James Herbert.....	E 4.....	Sioux City, Ia.
Keegan, Milton James.....	L 1.....	Alliance
Keegan, Myrtle.....	Au, (S).....	Lincoln
Keeton, Florence May.....	Au.....	Lincoln
Keith, Lucile.....	4 P 3.....	Hastings
Keith, Rena May.....	A 3, T 3, (S).....	Curtis
Keller, Clarence Kerner.....	A 1.....	Octavia
Keller, Helen Dorothy.....	A 2, T 2.....	Lincoln
Keller, Herman Henry.....	E 1.....	Cedar Bluffs
Keller, Samuel L.....	M 1.....	Fremont
Keller, Stanley LeRoy.....	E 1.....	Kearney
Kellett, Joseph Henry.....	A 1, C, (Ex.).....	Waterloo
Kelley, Harold Clifford.....	CA 2.....	Omaha
Kelley, Sterling.....	E 2.....	Beaver City
Kelley, Jewel Rubie.....	CA 2.....	Lincoln
Kelley, Lucy Aileen.....	A 1, (THS, S).....	Tecumseh
Kelley, Roy Verne.....	A 3, (S, Ex.).....	Lexington
Kellogg, Charles Edward.....	G, (S).....	Red Cloud
Kellogg, Jessie May.....	G, (S).....	Red Cloud
Kellogg, Sam Lattimer.....	CA 1.....	Nebraska City
Kelly, Clifford Oliver.....	A 1, C.....	Cambridge
Kelly, Eric T.....	A 1.....	Atkinson
Kelly, Fred Raymond.....	CA 3.....	Nora
Kelly, Joseph Raymond.....	A 1, (THS).....	Spalding
Kelly, Louis Albert.....	A 1.....	North Platte
Kelly, Roy.....	Eu.....	Tilden
Kelly, Truby Lois Charlotte.....	A 2, (S).....	Atkinson
Kelsey, Marian Catherine.....	A 3, T 3, (S).....	Lincoln
Kelso, Azariah.....	E 1.....	Friend
Kenagy, Inez Mildred.....	Au.....	Milford
Kendall, Gladys.....	A 1, (S).....	Colby
Kendall, Helen Jane.....	A 2.....	Superior
Kennedy, Gilbert Verner.....	A 2, C.....	Omaha
Kenner, James Rupert.....	A 3.....	Utica

Name	College and Year	Home Address
Kenney, Dorothy May	CA 2, T 2	Norfolk
Kenyon, Irvin Richard	A 1, C	Litchfield
Kerford, Clarence	A 1	Atchison, Kans.
Kerns, Harold Patrick	CA 2	Auburn
Kerrihard, Chad Chapman	A 2	Red Oak; Ia.
Ketcham, Earl Francis	E 3	Omaha
Keyes, Charles Stephen	A 3	Holbrook
Keyes, Esther Emma	CA 1	Cambridge
Kibbey, Hurla W.	Eu	Grand Island
Kibler, Ada Nora	A 3, C	Kearney
Kibler, Augusta May	A 3, T 3	Kearney
Kidd, Clifford Manzer	G	Kenesaw
Kiddoo, Edgar Dodson	L 1	Lincoln
Kiefer, Catherine	A 3, FA	Lincoln
Kiefer, Mae Violet	CA 1	Colon
Kier, Samuel Max	L 1	Lincoln
Kies, Benjamin Bernhard	A 1, (S)	Lincoln
Kies, Paul Philemon	G, (S)	Lincoln
Killen, Edgar Cromwell	A 1	Lincoln
Killian, Charles J.	CA 2	Omaha
Kimball, Carolyn	A 3, T 3, FA	Hastings
Kimball, Curtis	L 2	Lincoln
Kimball, Edness Merrick	A 3	Casper, Wyo.
Kimball, Kent K.	A 4	Lincoln
Kimball, Marjorie Perkins	A 3	Lincoln
Kimberly, Mervyn Chaney	A 1	Lincoln
Kimmel, Wanda Jeanette	A 4, (S)	Lincoln
Kincaide, Charles Melvin	A 1, C	Lincoln
Kindig, Albert Sidney	Au	Lincoln
Kindig, George Benjamin	A 3	Hastings
King, George Austin	CAu	Central City
King, Lete Noyes	CA 1	Valley
King, Leva Foster	Au, FA	Lincoln
Kingery, Jane Kathern	A 1	Tilden
Kingham, Elva Leona Jarman	A 3	Lincoln
Kinney, Imogene R.	CA 2, T 2	Exeter
Kinney, Lawrence Lee	A 1	Lexington
Kinney, Mark S.	E 1	Shelby
Kirk, Jesse Harold	A 1	Kearney
Kirk, Mary Lucile	A 4	Kearney
Kirkpatrick, Milton Elder	M 1	Holdrege
Kirkwood, Nellie Loine	Au	Lincoln
Kirkwood, Ollie Martha	CA 3, T 3	Lincoln
Kirsch, Frederick Dwight	A 2, FA	Lincoln
Kirsch, Gifford Karl	L 2	Lincoln
Kirsch, Hollis Harlan	A 3	Lincoln
Kittinger, Ethel Florence	A 4, T 4	Lincoln
Kjeldgaard, Carl Wilhelm	A 1, C	Big Springs
Kjeldgaard, Mary	A 1	Big Springs
Klein, John Arthur	A 1	Omaha
Kleinke, Viola Lenore	A 2, T 2	Cheyenne, Wyo.
Klepetchko, Stephania Josephine	A 1	Omaha
Klietsch, Fritz Herman	E 3	Palmyra
Klima, Joseph G.	A 3, (S)	Milligan
Kline, George Ebert	E 3	Hastings

ROSTER OF STUDENTS

567

Name	College and Year	Home Address
Kline, Lawrence	A 1, (Ex.)	Beatrice
Kline, Leonard Wilson	A 2	Blue Springs
Kline, Philip	M 2	Omaha
Kline, William Gordan	L 3	University Place
Kloke, Gladys Magdalen	A 3, T 3	Lincoln
Klotsche, Ernest Heinrich	G	Lincoln
Kluge, Arno August	E 1	Lincoln
Knapp, Claribel	A 1	Cedar Bluffs
Knapp, Randall Warren	A 1	Fremont
Knight, Blanche E	A 3, (S)	Bethany
Knight, Louise LaRue	A 2	Spencer, Ia.
Knight, Vivian Mary	A 4, T 4	Lincoln
Knodle, Archibald Max	A 2, T 2	Lincoln
Knotts, Minnie Prey	Au, (S)	Lincoln
Knudsen, Elmer Bodsgaard	A 1	Hartington
Knutzen, Henry Adolph	A 4	Kearney
Koch, Beatrice	A 3, T 3	Fullerton
Koch, Camilla	A 3	Fullerton
Koch, Edward H	A 4, (S)	Scribner
Koebele, Simon Cyprian	A 1	Burns, Kans.
Koehler, John Hoover	A 1	Geneva
Koeiner, Edith M	CAu, (S)	Mahaska, Kans.
Koenig, Margaret	Au	Lincoln
Kohl, Katherine Charlotte	A 2	Hastings
Kohler, Vina Emma	A 4, T 4	Flandreau, S. D.
Kohn, Frank	A 1, (M)	Beaver City
Kokjer, Harold Emerson	A 1	Clarks
Kolb, Della Juanita	CA 4, T 4, (S)	Lincoln
Konicek, Marie A	A 1, (S)	Clarkson
Kosch, Emma Jacob	A 1, (THS, S)	David City
Kositzky, Edwin Paul	E 3	Lincoln
Kositzky, Harold William	A 1, C	Lincoln
Kositzky, William Waldmar	A 2, C, (S)	Lincoln
Kotas, Adolph	Au, C	Milligan
Kouba, Ema	Au, (S)	Verdigre
Koudele, Clara Cecilia	A 1	West Point
Koupal, Amy June	A 2, T 2	Lincoln
Kovar, Edward Frank	A 2, C	Schuyler
Krahulik, Emil Joseph	M 2	Clarkson
Kram, Jacob L	CAu	Lincoln
Kramer, Joseph	CAu	Lincoln
Kraus, John Anthony	E 3	North Bend
Kraus, Leo William	A 4, (S, Ex.)	Omaha
Krause, Alexander Rose	A 2, C	West Point
Krause, Arthur Russell	A 1, (M)	Lincoln
Krause, Laura	A 2, (Ex)	Elwood
Kraybill, Harold Matthews	A 3, (M)	Abilene, Kans.
Krebs, August Charles	L 2	Friend
Kregar, Josephine	A 1	Junction City, Kans.
Krejci, Estella	Au	Exeter
Kretzler, Harry Hamlin	A 1	Lewellen
Kreuch, William Otto	E 1	Norfolk
Krieger, Louis William	E 1	Havelock
Kriemelmeyer, Walter Palmer	E 1	Cambridge
Krikac, Emma	A 1	Comstock

Name	College and Year	Home Address
Krisl, Mary Elenor	A 2, (Ex.)	Milligan
Kriz, Rudolph Edmund	M 4, (S)	Weston
Krotz, Marcellus Joseph	CA 2	Odell
Krueger, Martha Helena	A 3, T 3, FA	Lincoln
Kubik, Ladislaus	A 4	Clarkson
Kubik, Theodore	G, Ed	Clarkson
Kuhn, Ada Ruth	G	Lincoln
Kuhn, John Blaine	A 3	Lincoln
Kunde, Margarete Meta Hedwig	A 4, (S)	Wynot
Kunkel, Leslie Lyman	A 3, C	Madrid
Kunkel, Margaret Anita	G, (Ex.)	Osceola
Kuns, David Raymond	G, Ed, (S)	Humboldt
Kuns, Julia Edith	A 2, (S)	Lincoln
Kuns, Marvin C	A 2, C	Lincoln
Kurth, Herman R	E 3	Lincoln
Kyd, Annie Elizabeth	Au	Beatrice
Kyle, John Eldon	A 4	Evans, Colo.
Kyner, Lloyd Milton	Au, (S, Ex.)	Eustis
Lacey, Herbert Camden	G	College View
Lackey, Agnes	Au	Gering
Lackey, Earl Emmet	G	Wayne
LaCour, Joseph Blagburn	A 1	Omaha
Lafin, Lewis Eugene	L 2	Crab Orchard
Lafin, Ruth	Au	Crab Orchard
Lagant, Pearl	A 1	Ruskin
Lahr, Ralph Oliver	L 3	Lincoln
Laidig, Earl Edward	A 1	Danbury
Lain, Mary Ethel	Au, (THS, S, Ex.)	Dorchester
Lake, Lilburn B	M 4	Omaha
Lamb, Milton Mason	A 1, (M)	Tecumseh
Lamb, Nellie M	CA 3, (S)	Milford
Lambert, Bertha Clara	Au	Fairbury
Lambert, Raymond Henry	A 2, (S)	Lincoln
Lampert, Harold Herman	A 1	Wahoo
Lamson, Pearle Hildreth	A 3, (S)	Fairfield
Landale, Jean Catherine	A 1	Omaha
Landers, Leland George	CA 4	Norfolk
Landeryou, Harold T	A 1	Omaha
Landgren, Albert Vincent	E 4	Omaha
Lane, Darrell Thomas	A 4	Seneca
Lane, Josephine	A 2, FA	Omaha
Langdon, Harold Anthony	E 3	Omaha
Langley, Rosa Alice	Au, (S, Ex.)	Lincoln
Lanphere, Grant Harold	M 2	Gresham
Lantz, Dai Carson	L 1	Kearney
Lanyon, Searle Henry	A 3	Omaha
Lanz, John Edward	A 4, (S)	Plymouth
Lanz, Muriel Simpson	A 4, (S)	Plymouth
Lapidus, Morris Jacob	CA 1	Lincoln
Lare, Olive Grace	CA 1	Brooks
Larimore, Corrine Elizabeth	Au	Lincoln
Larimore, Nellie E	Au, (S)	Avoca
Larned, Bell Gould	A 1, FA	Haigler
Larsen, Antonius Andrew	M 3, (S)	Homer
Larsen, Christian Bernhard	A 3	Blair

ROSTER OF STUDENTS

569

Name	College and Year	Home Address
Larsen, Frances	CA 2	St. Paul
Larsen, Marie	Au.	Minden
Larson, Anna Adelia	CA 3, T 3	Lincoln
Larson, Edna Alberta	A 1, (S)	Gothenburg
Larson, Edward Herbert	CA 1	Genoa
Larson, Herbert F.	CA 3	Omaha
Larson, Lester Charles	CAu.	Nevada, Ia.
Larson, Roy Albert	2 P 2 (S)	Harrison
Larson, Wallace Theodore	CA 1	Genoa
Larson, William Severitt	A 1, FA	Stromsburg
Lathrop, Edith Anna	G, Ed, (S)	Inland
Latsch, Ethelda Armina	Au, FA (S)	Lincoln
Latta, Lloyd	CA 1, (SAs)	Skidmore, Mo.
Latta, Neva	Au.	Selma, Cal.
Lau, Friederike Elisabeth	Au.	Lincoln
Lau, Magdalene Friederike	A 2, T 2, (THS, S)	Lincoln
LauBach, Effie Fern Bruce	Au, (S)	Lincoln
Laughorn, Charles Howard	A 1, (M)	Gering
Laurie, Gilbert	CA 1	Aurora
Lauritson, Pearl Edith	A 3, T 3	McCook
Lavery, Cecil Fay	L 2	Burwell
Lawritson, Martin Nelson	CA 2	McCook
Lawson, Homer Cleveland	CA 3	Omaha
Lawson, Leona Mae	A 1	Shenandoah, Ia.
Lawson, Minnie Luella	A 3, T 3	Genoa
Lawson, Viola Mary	A 1	Shenandoah, Ia.
Leabo, Louis Crownheart	A 1	Lincoln
Leach, Leonard Lewis	E 1	Winfield, Kans.
Leahy, Alice Josephine	A 1	Lincoln
Leal, Martha Louise	A 1	Denver, Colo.
Lebworth, Maxwell Kengston	CA 2	Lincoln
Lee, George Ernest	A 4, (S)	Wymore
Lee, Howard Choo	CA 3	Seoul, Korea
Lee, Lin'ord Henry	Au.	Lincoln
Lee, Yong Kiu	G, M 1	Ham-heung, Korea
Leech, Ralph Otis	A 2, (THS)	Red Oak, Ia.
Leech, Ruth Ann	A 1, FA	Red Oak, Ia.
Lees, Lucile Betty	A 3, T 3	Lincoln
Lefler, Esther F.	Au.	Lincoln
Lefler, Charles Millard	G, (S)	Peru
Lehman, Clyde William	A 4, (S, Ex.)	Superior
Lehman, Edward D.	CAu, (S)	Fremont
Lehmer, Olive	A 4, T 4	Omaha
Lehmkuhl, Charles John	A 2, C	Wahoo
Lehmkuhl, Fred Fowler	A 1	Lodge Pole
Lehr, Jessie	G, (S)	Surprise
Leininger, Earl Francis	A 1, (M)	Sargent
Lemon, Olin J.	CAu, (S)	University Place
Lentz, Frederick William	E 1	Deshler
Lerch, Harold J.	CA 1	Fremont
Leschinsky, George Karl Adolph	A 1	Loup City
Lesh, Charles Wesley	3 P 3	University Place
Lewellen, Stella Mae	A 2	Lincoln
Lewin, Floyd Allan	A 2, T 2	Comstock
Lewis, Beulah Hammond	CAu.	Lincoln

Name	College and Year	Home Address
Lewis, Frank Clark	G.	Lincoln
Lewis, Garland Edison	G.	Lincoln
Lewis, Harold Hart	A 1, FA.	Fairfield
Lewis, Helen Irene	A 1.	Superior
Lewis, Margaret Stuart	CA 4, (Ex.)	Omaha
Lewis, Taylor E.	CA 2.	Superior
Lewis, Wilber Alexander, Jr.	A 1, C.	Fairfield
Leyda, Ianthé Eleanor	A 1.	Falls City
Lichtenstiget, Faye	Au.	Lincoln
Lichtenstiger, Hazel Christine	A 1.	Lincoln
Lichtenwallner, John B.	M 1.	Omaha
Liebendorfer, Edward Lowell	CA 4.	Pawnee City
Liebendorfer, Joe	A 1, (M)	Pawnee City
Liebendorfer, Nelle Marie	Au.	Pawnee City
Liebers, Anna Otilie	CA 3, T 3, (S)	Lincoln
Liebers, Carl Ludwig	CA 1.	Lincoln
Liebers, Fred August	CA 3.	Lincoln
Liggett, Ethel Merle	CAu, (S)	York
Liggett, Mary Elizabeth	Au, (S)	Adams
Lilliefors, Manfred, Jr.	A 3, T 3.	Valley
Liming, Orlan	A 3, T 3.	Quinby, Ia.
Linch, Clyde A.	A 1.	University Place
Lind, Esther Velma	Au.	Lexington
Lind, Johannes Victor	G, Ed, (S)	Wahoo
Lindeblad, Elmer Eranius	A 4.	Oakland
Lindecrantz, Ragnhild Marie	Au.	Holdrege
Lindgren, Lawrence Frithof	CAu, (SA)	Lincoln
Lindley, Paul	E 2.	Riverton
Lindsey, Ethel Leona	A 4, T 4, (S)	Lincoln
Lindstrom, Carl Roy	CA 2.	Oxford
Lindstrom, Iver Emanuel	CA 2.	Oxford
Line, William Harrison	L 2.	Diller
Link, John T.	A 3, (S)	Seward
Linn, Ernest	A 2, C.	Kimball
Linn, John Theodore	A 1.	Kimball
Linstrom, Vera	Au.	Edgar
Linstrum, Carl Frederick	A 1.	Columbus
Lintz, Roy Peter	E 2.	Johnson
Lipsey, Lena	A 2, (THS)	Omaha
Lissack, Edmund Henry Max	M 1.	Syracuse
Litten, Harold Ernest	A 1, C.	Lincoln
Little, Clyde	CA 1.	York
Little, Evelyn Laura	A 1, (S)	Lincoln
Littler, Keitha	G, Ed.	Missouri Valley, Ia.
Littrell, Irvin J.	A 2, C.	Nelson
Littrell, Jessie May	CAu, (S)	Nelson
Lively, Charles Elson	G, A 4, Ed.	Lushton
Lockenour, Charles Emerson	E 1.	Hebron
Loder, John	L 3.	Waverly
Loeb, Genevieve	A 1, FA.	Lincoln
Loeb, Marguerite	A 4, FA.	Lincoln
Loewenthal, George Giroux	E 3.	Chadron
Loft, Stinus Sorenson	G, (Ex.)	Blair
Loftman, Helen Elizabeth	A 2.	Omaha
Lonam, Marguerite	A 2, T 2.	Lincoln

Name	College and Year	Home Address
Lonam, Terrence A.	L 1.	Lincoln
Long, Beatrice	A 1.	Lincoln
Long, Catherine	A 1, (S)	Lincoln
Long, Harold Bash	A 2.	Lincoln
Long, Jettie B.	A 1, (S)	Hubbard
Long, John Eugene	CA 3.	Buffalo, Wyo.
Long, Maurice Blaine	A 4.	College View
Long, Robert S.	A 1.	South Bend
Longacre, Ferne Alice	A 4, T 4.	Dodge
Lorenzen, Mary Dorothy	A 1.	Lincoln
Loriks, Emil Carl	CA 4, T 4.	Arlington, S. D.
Losey, Ray Robinson	M 3, (S)	Hagerman, N. M.
Lotspeich, Irma Merce	CA 1.	Alliance
Lotspeich, Ralph E.	A 1, C.	Alliance
Loughridge, Olive	CA 2.	Lincoln
Lound, Abbie Lula	A 1.	Winside
Lowe, Harry Carl	A 1.	Lincoln
Lowe, Isabella Charlotte	A 4, (S)	Kearney
Lowe, Jessie Opal	G, (S)	Fairmont
Lowenberg, Gladys	A 4, T 4.	Albion
Lowrey, Eleanor Conell	A 1.	Lincoln
Lucas, James Albert	L 1.	Shenandoah, Ia.
Lucas, Nancy Marion	A 1.	Havelock
Lucke, Richard Otto	A 3, (M)	Omaha
Luckey, Anna Louise	A 4, T 4.	Lincoln
Luckey, Emil Fred	A 1.	Columbus
Ludwick, Paul Gladstone	A 1, (Ex.)	Seward
Lufkin, Mildred Van De Water	CA 3.	Fairfield
Lukes, Minnie Emelia	Au, (S, Ex.)	Ord
Lukovsky, Charles C.	M 1.	Omaha
Lumsden, Edith	A 3, (Ex.)	Clearwater
Lundak, Emmanuel D.	Au, (S)	Pierce
Lundberg, Mabel Amelia	Au, (S)	Holdrege
Lundeen, Earnest Warren	A 3, T 3.	Keene
Lundgren, Clifford Edward	E 1.	Wausa
Lundgren, Mildred Naoma	A 1.	Wausa
Lundmark, Gust Vivian	L 2.	Omaha
Lundquist, Vernon Elmer	CA 2.	Laurel
Lutjeharms, Dolly Cora	A 2.	Alma
Lutjeharms, Dorothea Elizabeth	CA 2.	Alma
Lyda, Curtis Owen	L 3.	Lincoln
Lyford, Constance	A 4, T 4.	Falls City
Lyford, Florence Willits	A 1.	Falls City
Lyman, Blanche Margaret	G.	Lincoln
Lynch, Bernhard Henry	E 1.	Pender
Lynch, James Eric	A 4.	Lincoln
Lynch, Nellie Edith	Au.	Lincoln
Lynch, Verne Marquis	E 3.	Auburn
Lynch, J. Lloyd	E 4.	Hastings
Lynn, Dorothy Barbara	A 1.	Grand Island
Lyon, Edith Arthella	CA 3.	Madison
Lyon, Pauline Elsie	A 1.	Lincoln
Lyons, John	A 1.	Lincoln
MacAdam, Mabel Florence	A 1.	Potter
McAndrew, Carl B.	CAu.	Ainsworth

Name	College and Year	Home Address
McAndrew, Lila	Au, (S)	Ainsworth
McArthur, Grace Edith	A 1, FA	Lincoln
McArthur, Mary Frances	A 1, (Ex.)	Broken Bow
McBride, Dora Adelia	Au	University Place
McBride, Elizabeth	Au	University Place
McBride, Fannie Fern	A 3, (S)	Harvard
McBride, Jeanette Mapes	A 1	Elgin
McBride, Maud Mildred	Au	Lincoln
McBride, Roda	CA 1	Buffalo, Wyo.
McBride, Ruea Diane	A 3, T 3	Lyons, Kans.
McCandless, Gertrude	A 3	Nemaha
McCandless, Gilbert	A 1	Nemaha
McCarl, Theodor Darwin	A 1, C	Hastings
McCarthy, Mayme Genevieve	A 1, (THS, S)	Tecumseh
McCarthy, Rose Francis	A 3	Wahoo
McClain, Harry	Eu	McCook
McClellan, Claiborne Dewey	Eu, (SA, Ex.)	University Place
McClellan, George Fay	E 1	Merna
McClelland, Anna	G, (Ex.)	Fullerton
McClintock, Mabel	G, (S)	Bethany
McClinton, Reginald Sullivan	M 1	Alma, Mich.
McComas, Helen Louise	A 4, T 4	Ord
McCommons, John Leonard	A 3, (S)	Craig
McConnell, Cyril Denny	E 2	Dalton
McConnell, Lucille May	A 1, (M)	Sutherland
McCorkindale, Hannah Elizabeth	A 3, (Ex.)	Odebolt, Ia.
McCorkle, Charles Leland	CA 1	West Point
McCormick, Lawrence Ralph	M 1	University Place
McCoy, Margaret Anne	A 3, T 3	Omaha
McCoy, William Franklin	A 2	Mitchell
McCray, Myrtle A	Au	Fullerton
McCrory, William Neal	E 2	Lincoln
McCue, Carroll Franklin	A 1	University Place
McCullough, Louise Frances	CA 2	St. Edward
McCullough, Philip Morgan	E 4, (Ex.)	Minneapolis, Minn.
McDermott, Fred Ambrose	CA 1	Greeley
McDonald, Bess Vivian	CA 2, T 2	Wahoo
McDonald, Ethel Viola	A 2, T 2	Central City
McDonald, Hazel Helen	A 1, FA	Emerson
McDonald, Henry Stewart	A 1	Omaha
McDonald, John Theodore	A 2, (M)	Omaha
McDonald, Ora	A 3	Fremont
McDougal, Margaret E	A 1	Tecumseh
McDougal, Sue Elizabeth	A 2, T 2	Tecumseh
McDowell, Inez Lucile	A 2	Lyons
McElhaney, Eldridge Coral	A 2, C	Orchard
McElhaney, William Vern	A 1, C	Orchard
McFayden, Joseph Hubert	A 1, C	Genoa
McGahey, Florence Irwin	G	Lincoln
McGee, Arthur John	E 3	Lincoln
McGee, Francis Edgar	E 1	Edgar
McGee, Harry Edwin	M 2	Osceola, Ia.
McGee, Ruby Dell	G, Ed, (S)	College View

¹Deceased.

ROSTER OF STUDENTS

573

Name	College and Year	Home Address
McGerr, Helen Frances.....	A 2.....	Falls City
McGinnis, Leroy Winfred.....	A 1.....	Knoxville, Ia.
McGlasson, Bonnie Virginia.....	A 1.....	Lincoln
McGlasson, Harold Edwin.....	E 2.....	Lincoln
McGloin, Anna Kathryn.....	A 3, T 3.....	Wall Lake, Ia.
McGoogan, Walter Milton.....	A 1, (M).....	Lincoln
McGrew, George Peery.....	G, (Ex.).....	Auburn
McGuire, Sarah Evalyn.....	Au, (TH, S).....	Loomis
McGwire, Olive Josephine.....	Au, (S).....	Chicago, Ill.
McHugh, Bernard.....	Au.....	Bertrand
McHugh, William Bryan.....	A 1.....	Waverly
MacIntosh, Mildred.....	A 2.....	Alda
McKeith, Alfred Bertram.....	Au.....	Exeter
McKelvey, Estelle.....	G, Ed.....	Red Cloud
McKelvey, John Dinsdale.....	CA 3.....	Lincoln
McKenna, Regina Cecelia.....	CA 2.....	McCook
McKenney, Forrest Henry.....	E 1.....	Palmer
McKenney, Ruth Leona.....	A 1.....	Palmer
McKesson, Nellie Orissa.....	A 3, T 3.....	Lincoln
MacKinnon, Melvin Eugene.....	A 1.....	Missouri Valley, Ia.
McLachlin, James Howe.....	2 P 2.....	Lincoln
McLain, Grace.....	G, (Ex.).....	University Place
McLaren, Donald Wilson.....	A 2.....	Gibbon
McLean, Leona.....	A 4, T 4, (S).....	University Place
McLellan, Duncan Martin.....	A 2.....	Lincoln
McMahon, Byron John.....	CA 2.....	Lincoln
McMahon, Clara Marguerite.....	G.....	Lincoln
McMahon, Harold Francis.....	A 1.....	Lincoln
McManigell, Merle.....	CA 1.....	Lincoln
McMillan, Thomas Wright.....	A 4, (S).....	Thedford
McMillin, J. Harold.....	Au.....	Lincoln
McMullen, Harold Sherman.....	CA 1.....	Lyons
McMullen, William Lowe.....	L 3.....	Burwell
McMurray, Harry D.....	3 P 3, (Ex.).....	Gardiner
McNabb, Frances.....	Au.....	Lincoln
McNamara, Mary A.....	A 3, (S).....	Omaha
McNamara, Vivien Edna.....	A 1.....	Nebraska City
McNamee, Clarence Gordon.....	A 1.....	Norfolk
McNown, Frank L.....	A 4, (S).....	Lincoln
McQuarrie, Jeannette Margaret.....	A 2.....	Lincoln
MacQuiddy, Ernest Lynn.....	M 2, (S).....	Sonoma, Cal.
McQuistan, Janet Armour.....	Au.....	Bloomfield
McRae, Alice Jean.....	A 2, T 2, (S).....	Lincoln
McRae, Ellen Janet.....	A 1, (S).....	Lincoln
McRae, Mott M.....	A 1, (S).....	Republican City
McReynolds, Willa.....	CA 4.....	Ashland
McRoberts, Laura Kathleen.....	A 3, T 3.....	Mound City, Mo.
McShane, Leo Francis.....	CA 3.....	Omaha
McVicker, William James.....	A 2.....	Lincoln
McWilliams, Ida Mildred.....	A 1, FA.....	Akron, Colo.
Maassen, DeWitt Delbert.....	CA 1.....	Tilden
Macauley, Margaret Ellen.....	A 3, T 3.....	Clearwater
Mackey, Harold Lynn.....	A 1.....	Eustis
Mackey, Marcellus Glen.....	L 1.....	Eustis
Mackey, Marion.....	A 1.....	Lincoln

Name	College and Year	Home Address
Mackey, William	A 2, C	Ansley
Mackprang, Alfreda Margert	A 1, C	Cedarbluffs
Mackprang, Gretchen Amelia	CA 3, T 3	University Place
Macomber, Prudence Emma	Au.	Crawford
Maddox, William McKinley	CA 2	Falls City
Madsen, Victor Walter	E 4	Lincoln
Magee, Mary Theresa	G	Lincoln
Magnuson, Gladys Leona	A 1, (THS, S)	Loomis
Magnuson, Harry Peter	G, (S)	Gothenburg
Magnuson, Joseph Albert	A 1	Loup City
Maguire, Bess Lucile	Au.	York
Maguire, Teresa	CA 1	York
Mahan, Arthur Leroy	A 2, (M)	Gothenburg
Mahan, Glenn Edgar	A 1	Gothenburg
Mahaney, Lotta Mary	A 1	Wichita, Kans.
Maher, Florence Tierney	Au.	Lincoln
Majors, John Fletcher	A 1	Lincoln
Maloch, Clara Julia	CA 3, T 3	Prague
Malone, George Howard	A 1, C	Cortland
Malone, Lillyan May	Au.	Cortland
Malone, Robert	A 1, (Ex.)	Lincoln
Maloney, Clarence Alfred	A 2	Pender
Maloney, Emma Patricia	A 1	Lexington
Maloney, James William	L 1	Lexington
Malzacher, Josephine	A 1	Oakdale
Mandalian, Jacob Garabet	G	College View
Manke, F. Carl William	E 1, (S)	Malcolm
Manley, Ida Belle	A 1, (S)	Holdrege
Mann, Annabell	A 1	Malcolm
Mann, Lula Margaret	A 3	Creighton
Mann, Winnie Jane	A 1	Creighton
Mantor, Edna Clara	M 1	Omaha
Mapes, Charles Boyd	G, Ed, (Ex.)	Peru
Mapes, Dwight Burritt	A 2	Lincoln
Marcy, Kenneth Ira	CA 2	Ashland
Margolin, Benjamin Franklin	E 1	Omaha
Marker, Bernice Beulah	Au.	Inavale
Markham, Edgar Alexander	Eu.	Lincoln
Markland, Irvn Leslie	A 1	Friend
Markwell, Ora Florence	A 3, (S)	Clay Center
Marquardt, Elsa Oillie	CA 1	Hooper
Marquis, Vance William	A 4	Osceola
Marquis, William James	2 P 2, (S)	Stromsburg
Marr, Clyde George	A 1	Battle Creek
Marrin, Frank Edward	G, (S)	O'Neill
Marrs, Mary Edith	Au, (S)	Bayard
Marrs, Ralph Merton	G, A 4, T 4, (S)	Bayard
Marsh, Harry Griffith	CA 4	Omaha
Marshall, Carrie E.	A 3	Weeping Water
Marshall, Laura Maybell	A 4, T 4	Eddyville
Marshall, Payson Day	A 1, C	Panama
Martin, Edith	A 1	Sidney
Martin, Elizabeth Francis	A 1, (S)	Council Bluffs, Ia.
Martin, Geraldine	Au, C	Lincoln
Martin, James S.	E 2	Rising City

ROSTER OF STUDENTS

575

Name	College and Year	Home Address
Martin, Llewellyni Lee.....	E 3.....	Sidney
Martin, Lucia Mary.....	CA 1.....	University Place
Martin, Marjorie Eloise.....	A 3, T 3.....	Lincoln
Martin, Otis.....	M 4.....	Central City
Martin, Paul Lawrence.....	A 1, C.....	Kearney
Martin, Ruth Elizabeth.....	G.....	University Place
Marts, Hazel Irene.....	A 2, T 2.....	Auburn
Marty, Euphemia.....	A 1.....	Council Bluffs, Ia.
Maruyama, Tom Ejiro.....	Eu, (S).....	Wakayama, Ken Japan
Marx, Edward Charles, Jr.....	Au, (S).....	Lincoln
Marx, Grace May.....	A 4, T 4, (S).....	Lincoln
Maryott, Alma Elizabeth.....	CA 2.....	Lincoln
Maryott, Florence Mary.....	A 3, T 3, FA.....	Lincoln
Maryott, Gerald Edward.....	A 1.....	Lincoln
Mason, Margaret Marion.....	A 1.....	Bloomfield
Mason, Paul Clements.....	CA 1.....	Dakota City
Mason, Wallace Loughridge.....	Au.....	Lincoln
Mathews, Cecil Irvin.....	A 1.....	University Place
Mathews, Elsie Forest.....	G.....	Lincoln
Mathews, Jane Elizabeth.....	A 4, (Ex.).....	Scottsbluff
Mathews, Lavern Buckingham.....	A 1, (S).....	Blue Springs
Mathews, Robert James.....	A 4, T 4.....	Scottsbluff
Mathewson, Louise.....	G, (S).....	Lincoln
Matousek, Albin Gabriel.....	E 3.....	Atkinson
Matthews, Harold David.....	A 1, C.....	Crofton
Matzner, John Gust Adolph.....	G.....	Lincoln
Mauck, Lucile Evangeline.....	A 1.....	Lincoln
Mauck, Mildred Junia.....	CAu.....	Nelson
Mauck, William Theodore.....	A 1.....	Wahoo
Mauer, Roy Thornell.....	M 3.....	Omaha
Mauldin, Mrs. Blake Iver.....	Au, (S).....	Ozona, Tex.
Maupin, Verda Zora.....	A 2, T 2, (S).....	Davenport
Mawe, Vesta Milrae.....	A 3, T 3, (S).....	Lincoln
Mawhinney, Beryl.....	A 4, T 4.....	Ravenna
Maxon, Edna Anna.....	A 4, T 4.....	Scottsbluff
Maxwell, Carl Allen.....	Eu.....	College View
May, Charles Curtis.....	A 2, (M).....	Lincoln
May, Charles Foster.....	E 1.....	Bremen, Ind.
May, Don.....	A 3, (Ex.).....	Madison, S. D.
May, Esther Ruth.....	A 1.....	Lincoln
May, Mina.....	A 3, T 3.....	Hayes Center
Mayes, Leroy.....	Au.....	Lincoln
Mayne, Edna Mae.....	A 1.....	Shelby, Ia.
Mead, Earl C.....	CA 1.....	Cozad
Means, Olive Leota.....	A 2.....	Orleans
Meeds, Olive Graham.....	A 1.....	Lincoln
Meeker, Nathaniel Henry, Jr.....	A 2, C.....	Greenwood
Meier, Louis Francis.....	A 4.....	Lincoln
Meisinger, Clarence Leroy.....	A 4.....	Lincoln
Mekota, Beatrice Machula.....	A 3, (Ex.).....	Cedar Rapids, Ia.
Melcher, William Henry.....	M 1.....	Omaha
Melin, Carl Gustof.....	A 3.....	Brule
Mellon, Irwin Albert.....	L 3.....	Ponca
Mellor, Kathrynne Aller.....	A 2.....	Wayne
Melville, George Smaltz.....	CA 2.....	Sterling

Name	College and Year	Home Address
Menagh, Vera.....	A 1.....	Denison, Ia.
Menke, Clara.....	CA 1.....	Crete
Menke, Minnie.....	CA 3, T 3.....	Crete
Merriam, Benjamin Faye Mills.....	E 4.....	Seward
Merrick, Ruth Beatrice.....	A 3, T 3.....	Osceola
Mesropian, Alice Ripsima.....	A 4, (S).....	Lincoln
Metcalf, Theodore Walter.....	Lu.....	Lincoln
Metheny, Fred Ray.....	2 P 2.....	Lincoln
Mettlen, John.....	A 1.....	Winside
Mettlen, William Glen.....	A 1, C.....	Lincoln
Metz, Ivanhoe Kriebel.....	CA 4.....	Quakertown, Pa.
Metzgar, Walter Alvin.....	CA 1.....	Mound City, Mo.
Metzinger, Delbert John.....	A 1.....	Blair
Meyer, Andrew.....	M 1, (Ex.).....	Dannebrog
Meyer, Clifford C.....	Au.....	University Place
Meyer, Elizabeth Gabrielle.....	Au.....	Germany
Meyer, Henry Charles.....	A-1, C.....	Wahoo
Mickel, Clarence Eugene.....	CA 4.....	Lincoln
Mickey, Arthur Bayard.....	A 4.....	Osceola
Mickle, Guy Ellsworth.....	G, Ed, (S).....	Crete
Milby, George A.....	CA 3, (S).....	Fairbury
Milford, Ruth.....	A 1.....	Ord
Millar, Willis Bennett.....	A 1, C.....	North Bend
Millar, Wilmar Leland.....	E 2.....	North Bend
Miller, Ann Wilson.....	G, (S).....	Culbertson
Miller, Earl Edgar.....	A 1.....	University Place
Miller, Edward Max.....	A 2, C.....	Lincoln
Miller, Erwin Phelps.....	A 2, (M).....	Gibbon
Miller, Eva Irene.....	A 3.....	Fremont
Miller, Frank William.....	A 1, C.....	Cedar Rapids
Miller, Frank Harold.....	A 2.....	York
Miller, Frank Jacob.....	A 1, C.....	Wood River
Miller, G. H.....	Mu, (S).....	Harlan, Ia.
Miller, Harold Vivian.....	A 1.....	Seward
Miller, Helen.....	A 3.....	David City
Miller, Jeanette.....	A 2.....	Logan, Ia.
Miller, Julia Beatrice.....	A 2.....	Beatrice
Miller, Lorena Dorothea.....	A 2, FA.....	Lincoln
Miller, Louise.....	G.....	Lincoln
Miller, Marjorie Mae.....	Au.....	Waco
Miller, Martha Jane.....	CAu.....	Lincoln
Miller, Max A.....	A 3, C.....	Lincoln
Miller, Myrtle Eda.....	CA 2, T 2.....	Lincoln
Miller, Ralph.....	A 3.....	Lincoln
Miller, Robert Ellis.....	A 3, C.....	Arlington
Miller, Ruth.....	A 1.....	David City
Miller, Theodore Frederick.....	E 1.....	Crofton
Miller, Walter Charles.....	M 1.....	Culbertson
Miller, Winifred Sanderson.....	A 3.....	Lincoln
Mills, Eva Ruth.....	A 3, FA.....	Logan, Ia.
Mills, Ferne Persis.....	A 1.....	Denison, Ia.
Mills, Florence.....	A 1, FA.....	Lincoln
Mills, Leone Fay.....	A 2, FA.....	Logan, Ia.
Mills, Mary Elizabeth.....	CA 3, T 3.....	Lincoln
Minford, Valentine.....	CA 3, T 3.....	Elmwood

ROSTER OF STUDENTS

577

Name	College and Year	Home Address
Minier, Helen Harriett.....	A 2, T 2.....	Oakland
Minnich, Charles Thompson.....	E 2.....	Palmer
Minnick, Richard Dee.....	A 1.....	Cambridge
Minnick, Worth.....	L 2.....	Branson, Mo.
Minor, Brad.....	Au, C.....	Lincoln
Minor, Helen Mae.....	A 2, T 2.....	Lincoln
Minthorn, Martin Lloyd.....	M 1.....	Lincoln
Misko, George Harold.....	M 2.....	Ord
Mitchell, Bernice Mabel.....	CA 1.....	Burwell
Mitchell, Ivan.....	A 1, C.....	University Place
Mitchell, Lulu Leona.....	A 2, FA.....	Lincoln
Mitchell, Roma Josephine.....	A 1, FA.....	University Place
Mitten, Helen Aline.....	A 1.....	Tekamah
Moates, Guy Hort.....	A 2, (M, Ex.).....	Plainview
Mockett, Emily.....	CA 3, (S, Ex.).....	Lincoln
Mockett, Julia Ellis.....	CA 1, (S).....	Lincoln
Mockett, Ralph Jones.....	E 1.....	Lincoln
Moffet, Roy William.....	A 1, C.....	Riverton
Mogensen, Annie Martha.....	A 4.....	Fullerton
Monahan, E. Clifton.....	CA 3.....	Lincoln
Monfort, William Leon.....	A 1, C.....	Randolph
Monier, Missouri.....	Au.....	Lincoln
Montgomery, Earl Clifton.....	M 4.....	Omaha
Montgomery, Edith Ora.....	A 2.....	Firth
Montgomery, Frank W.....	CA 3.....	Ewing
Montgomery, Mildred Effie.....	CA 3, T 3.....	Superior
Montgomery, Theodore Howard.....	CA 2.....	Ewing
Montgomery, Wayne Ashton.....	E 2.....	Lincoln
Montgomery, Willard Scott.....	E 1.....	Lincoln
Montgomery, William Don.....	A 3.....	Superior
Montross, Lynn John.....	A 2.....	Pierce
Moodie, Carrie Dorothy.....	A 4, T 4.....	West Point
Moodie, Robert Readinger.....	A 2.....	West Point
Moomaw, Glen Clarence.....	E 4.....	Lincoln
Moon, Georgia Jones.....	A 1.....	Ashland
Moor, Wilson F.....	A 1, (S, Ex.).....	Strang
Moore, Chester Orrin.....	A 2, C.....	Lincoln
Moore, Eugene Field.....	A 2, C, (Ex.).....	Lincoln
Moore, Eugenia Jeannette.....	A 1.....	Lincoln
Moore, Irving Lowey.....	CAu.....	Gering
Moore, James Stuart.....	A 1, L1.....	Lincoln
Moore, Jesse Miller.....	A 1, C.....	Lincoln
Moore, Orin Wesley.....	CAu.....	University Place
Moore, Ruby Robins.....	A 1, (S).....	Ceresco
Moore, Texa Laura.....	Au.....	Holdrege
Moore, Wendall Waite.....	A 2, (M).....	Omaha
Moran, Edwin Francis.....	A 1.....	Nebraska City
Moran, Winnifred Delpha.....	A 3.....	Hyannis
Morehead, Edwin John.....	L 1.....	Lincoln
Morey, Edward Justus.....	E 3.....	Omaha
Morgan, Donal Hobart.....	A 2, (M).....	Danbury
Morgan, Edna Louise.....	A 1, (THS).....	Omaha
Morgan, Frances Willard.....	A 1, (S).....	Guide Rock
Morgan, Harold Philip.....	CA 4.....	Lincoln
Morgan, Joy Elmer.....	A 4, (S).....	Guide Rock

Name	College and Year	Home Address
Morgenstern, Isidor.....	CAu.....	Lincoln
Morgenthaler, Edna.....	A u, (S).....	Lincoln
Moritz, Alan Richard.....	A 1, (M).....	Lincoln
Moritz, May Christianna.....	A 3, (Ex.).....	Stella
Morris, Ernest Henry.....	M 2.....	Omaha
Morris, Nellie Esther.....	G.....	Lincoln
Morrissey, Nellie Viola.....	A 4, T 4.....	Chadron
Morrow, Randal Hosick.....	A 1.....	Central City
Morse, Mildred.....	A 2, FA, (S).....	Lincoln
Mortensen, Oscar.....	A 1, (M).....	St. Paul
Mortimer, Agnes Ogilvie.....	Au, (Ex.).....	Palmer Lake, Colo.
Mortimer, Margaret Craig.....	Au, (S, Ex.).....	Lincoln
Moseley, Alma May.....	A 2, (S).....	Ainsworth
Moseley, Cyla A.....	A 3, (S).....	Ainsworth
Moseley, Glen Harrison.....	CA 3, (S).....	Lincoln
Moseman, Vernie Irene.....	CA 1.....	Oakland
Moser, Ellsworth.....	A 3.....	Omaha
Moshage, Henrietta Marguerite.....	A 2, T 2.....	Wood Lake
Mossman, Jesse.....	A 2, (M).....	Mason City
Mossman, Merle Irene.....	A 4.....	Lincoln
Moulton, DeLoss Page.....	CA 2.....	Wymore
Moyer, George Hamilton.....	A 2.....	Madison
Moyer, Torrence Calvin.....	G, (M, S).....	Lincoln
Muckel, Lena May.....	A 1.....	Bloomington
Mueller, Margaret Marie.....	A 1.....	Blair
Muffly, Paul Bernard.....	A 1.....	Orchard
Mulac, Jaroslav.....	A 3.....	Omaha
Mulligan, Allan William.....	A 3, (M).....	Beatrice
Mulligan, Harold Rowe.....	M 1.....	Beatrice
Mulvihill, Marguerite Dwyer.....	A 2, FA.....	Lincoln
Mumberson, S. Milburn.....	A 1.....	Orchard
Mumma, William Nathaniel.....	A 2.....	Nelson
Munger, Elbert Ervin.....	A 1, (M).....	Spencer, Ia.
Munger, Gertrude Margaret.....	A 3.....	Spencer, Ia.
Munn, Wayne H.....	A 1.....	Fairbury
Munson, Albert Russel.....	A 3.....	Aurora
Munson, Eunice Constance.....	A 4, (S).....	Lincoln
Munson, Grace Esther.....	G, Ed, (S).....	Lincoln
Munson, Marguerite.....	A 1, FA.....	Aurora
Murfin, Howard Jennings.....	A 2.....	Lincoln
Murphy, Agnes Leora.....	CA 2, T 2, (S).....	Vesta
Murphy, Audrey Sue.....	A 4, (S).....	Cedar Rapids
Murphy, Esther Maurine.....	A 2, T 2.....	Sidney, Ia.
Murphy, James Bradford.....	M 1.....	Omaha
Murphy, Lawrence Leo.....	A 3.....	Lincoln
Murphy, Mabel Marie.....	A 1.....	Lincoln
Murphy, Mae Marcella.....	CA 1.....	Lincoln
Murphy, Roland Edison.....	A 4.....	Midnapore, India.
Murray, Anna Catherine.....	A 1.....	Omaha
Murray, Floyd Joshua.....	M 1.....	Pender
Murry, Mildred.....	A 1.....	Hamburg, Ia.
Muskin, Nathan.....	M 1.....	Omaha
Musselman, Norman Beachy.....	A 3, C.....	Falls City
Myers, Grayce.....	A 1.....	Diller
Myers, Lloyd.....	M 3.....	Fort Crook

ROSTER OF STUDENTS

579

Name	College and Year	Home Address
Naber, Gerhard John.....	G, A 4, T 4, (S).....	Waco
Nation, Ivy Bee.....	A 3, T 3.....	Fremont
Neal, George H.....	A 1.....	Lincoln
Nedergaard, Niels.....	M 4, (S).....	Omaha
Nedom, Henry Arthur.....	A 1.....	Shelby
Neff, Harold Grant.....	CA 4.....	Omaha
Neff, Lyle Glen.....	A 1.....	Sterling
Neff, Ora Ethel.....	A 4.....	Mead
Negley, Doris.....	Au, FA.....	Ansley
Nelson, Bernice Ethelden.....	A 3.....	Omaha
Nelson, Cedric Henry.....	A 1, (M).....	Billings, Mont.
Nelson, Chris.....	A 4, T 4, Ed, (S).....	Lincoln
Nelson, Clara Jeanette.....	G.....	Oakland
Nelson, Clyde Adam.....	A 1.....	Summerfield, Kans.
Nelson, Elmer K.....	E 3, (Ex.).....	Potter
Nelson, Gustaf Earl.....	E 1.....	Lincoln
Nelson, Harvey Frans.....	L 2.....	Omaha
Nelson, Hazel Esther.....	CA 2, (THS, S).....	College View
Nelson, Jean Orion.....	E 2.....	Sterling, Colo.
Nelson, Leonard Elbert.....	E 1.....	Pierce
Nelson, Lillian Katherine.....	Au, (S).....	Lincoln
Nelson, Lydia Rosalie.....	A 1.....	Lincoln
Nelson, Oscar Emmanuel.....	L 2.....	Oakland
Nelson, Wilford Samuel.....	2 P 2.....	Genoa
Nesbit, Andrew Edgar.....	A 2, (M).....	Tekamah
Nesbit, Robert Alexander.....	A 3.....	Tekamah
Neumann, Birge Morton.....	A 2, C.....	Lincoln
Neumann, Lloyd Henry.....	L 1.....	Lincoln
Neuswanger, George.....	CA 4.....	Greeley, Colo.
Neuswanger, Peter.....	A 4, C.....	Lincoln
Neville, John William.....	M 1.....	Omaha
Neville, Mabel Esther.....	A 2, T 2.....	Chester
Newbecker, Cecil George.....	A 4, M 2, (S).....	Ord
Newbranch, Katharine Louise.....	A 2.....	Omaha
Newcom, Floyd Lesley.....	M 1.....	Arlington
Newell, Cyrus Edwin.....	A 3, (S).....	University Place
Newell, Ethel King.....	A 1, (S).....	University Place
Newell, Vinnie.....	Au, (S).....	Mitchell
Newhall, Redondo Everett.....	A 1, (M).....	West Point
Newmann, Herbert Hugh.....	Eu.....	Lincoln
Newton, William.....	Au.....	Omaha
Nichol, Margaret Florence.....	CAu, (S).....	Caldwell, Idaho
Nichols, Grace Margaret.....	A 3.....	Lincoln
Nickerson, James Harold.....	A 1.....	St. Edwards
Nickum, Oliver Clarke.....	A 1.....	Omaha
Niehaus, Frederick Wilhelm.....	G, (S).....	Omaha
Nielsen, Emma Christine.....	A 1.....	Denison, Ia.
Nielsen, Thorvald Christian.....	2 P 1.....	St. Paul
Nielsen, Arthur Lawrence.....	M 2.....	College View
Nigh, Mabel Claire.....	A 3.....	Bethany
Nigh, Major Wallace.....	A 2.....	Bethany
Nikl, Sylvie Jirina.....	A 1, FA, (THS).....	Verdigre
Niklaus, William.....	Lu.....	Lincoln
Nilson, Oskar William.....	Lu.....	Marquette
Nims, Valiant Gale.....	A 2.....	Denver, Colo.

Name	College and Year	Home Address
Nissen, Nell Marie.....	A 2.....	Kennard
Nissley, Maude Edith.....	Au, (S).....	Sterling
Nitsche, Audrey Lucille.....	A 1.....	South Omaha
Noble, Jennie Fern.....	A 2, T 2.....	Shoshone, Ida.
Noble, Homer Adelbert.....	G.....	Lincoln
Noble, Lenora Meda.....	A 2, T 2.....	Shoshone, Ida.
Noble, Margaret Emilie.....	A 1, FA.....	Lincoln
Noble, Mary Charlotte.....	A 2, (S).....	Lincoln
Noble, Roy Cecil.....	A 1.....	Holmsville
Noel, Thomas Williams.....	Au, (S).....	Grand Island
Noerenberg, Fred William.....	E 1.....	Sutton
Noerenberg, Jess Herman.....	A 2.....	Sutton
Noh, Leonard Fred.....	A 1, C, (Ex.).....	Clarkson
Noh, Robert Henry.....	E 1.....	Clarkson
Nohavec, Fred Robert.....	E 3.....	Crete
Nolan, Martin John.....	M 2.....	Alliance
Nolan, Michael David.....	L 1.....	Alliance
Nolde, Carl H.....	A 2.....	Lincoln
Noll, Ella Marie.....	A 3, (S).....	Lincoln
Noll, William Clarence.....	G, (S).....	Genoa
Noone, Joseph John.....	A 1, (Ex.).....	Lincoln
Nordgren, August Edward.....	G, (S).....	Orchard
Nordgren, John G.....	A 1.....	Aurora
Nordlund, Julian C.....	A 1.....	Stromsburg
Nordstrom, Elvyn George.....	CA 4, T 4.....	Waverly
Nore, Selmer.....	A 1, C.....	Albion
Norman, George R.....	A 1, (M).....	Chester
Norris, Ferris Waldo.....	G.....	Lincoln
Norris, Leon Edward.....	E 4.....	Falls City
Norris, Marian.....	CA 3.....	McCook
Norris, William Arthur.....	CA 3, T 3.....	North Platte
North, Arnold Arthur.....	E 1.....	Lincoln
North, Lorren Earl.....	CA 2.....	Bridgeport
Northup, Laurence Curtis.....	M 2.....	College View
Nosky, Richard Frank.....	E 3.....	Nebraska City
Novotny, Bohuslav Joseph.....	CA 4.....	Clarkson
Novotny, Edward Louis.....	A 2, (S).....	Bruno
Nunemaker, Greta Marie.....	A 3, T 3.....	Tobias
Nuss, Opal.....	A 2.....	Sutton
Nye, Barlow.....	L 1.....	Kearney
Nye, Kathryn Ruth.....	A 2, T 2.....	Wisner
O'Brian, Brian.....	A 2.....	Kearney
O'Brien, Dan Bernard.....	A 1, C.....	Omaha
O'Brien, John Jennings.....	A 1.....	Wymore
O'Connell, Emory Leroy.....	A 1, C.....	Malcolm
O'Conner, Mary.....	Au.....	Lincoln
O'Conner, Patrick Walter.....	Lu.....	Lincoln
Odell, Avis Aleta.....	A 1, (S).....	Wahoo
Oden, Kenneth Hilliard.....	E 1.....	Lincoln
Odiorne, George Davenport.....	A 1.....	Norfolk
Odman, Marjorie Edith.....	A 4, T 4.....	Valparaiso
O'Donnell, Anna Loretta.....	Au.....	O'Neill
Oeschger, Anna Elizabeth.....	G, (S).....	Valparaiso
Ogden, Edna Alvira.....	A 4, T 4.....	Genoa
Ohde, Hilda.....	A 1.....	Manning, Ia.

Name	College and Year	Home Address
Ohlheiser, Marie Wilhelmine.....	A 1, FA.....	Lincoln
O'Keef, Bernice Agatha.....	Au.....	Woodlake
O'Keefe, Ethel Catherine.....	A 1.....	Beatrice
O'Keefe, Marion.....	A 1, FA.....	Beatrice
Oldt, Floyd Stix.....	A 1, C.....	Lincoln
Oleson, Anna Aase.....	A 2, T 2.....	Albion
Oleson, Oscar Emil Aase.....	CA 4, T 4, (S).....	Albion
Oleson, Princess Marguerite Crowell.....	Au.....	Lincoln
Olive, Ben Arthur.....	A 1, C.....	Weeping Water
Ollis, Ruth Eleanor.....	A 1, (S).....	Ord
Olmsted, Malia Ellen.....	A 1, (S).....	York
Olney, Robert Charles.....	2 P 2.....	Stanford
Olsen, Nanna Elena.....	A 1.....	Weeping Water
Olson, Agnes Marie.....	A 1, FA.....	Lincoln
Olson, Carl Adolph.....	CA 3.....	Genoa
Olson, Carl Lester Elmer.....	Au, (M).....	Pacific Junction, Ia.
Olson, George Elliot.....	CA 1.....	Minden
Olson, Harold Ben.....	CA 1.....	Genoa
Olson, Oscar Evald.....	G.....	Swedeberg
Olson, Willard Martin.....	A 1, (S).....	Wahoo
O'Neal, Mary Elizabeth.....	A 1.....	Lincoln
O'Neal, Orra Annettie.....	A 2.....	Kansas City, Mo.
O'Neill, Harry John.....	Au.....	Emmetsburg, Ia.
O'Neill, Janet.....	A 2, T 2.....	College View
Ord, Esther Lucile.....	CA 4, T 4.....	Auburn
Orr, Fred Lopez.....	E 2.....	Craig
Orr, Lesley Kenneth.....	E 1.....	Clay Center
Osborn, Margaret Frances.....	A 1.....	Romeo, Cal.
Osgood, Elizabeth.....	A 4, T 4.....	Hyannis
O'Shea, Edward Marshall.....	L 1.....	Lincoln
O'Shea, Florence Catharine.....	A 1.....	Lincoln
Osheroff, Sam A.....	M 2.....	Omaha
Osmund, Sister Mary.....	Au.....	Lincoln
Oswald, Fred Leroy.....	E 2.....	Lincoln
Ostry, Joseph Method.....	Au, (S).....	Brainard
Otoupalik, Hugo Medford.....	A 3, T 3.....	David City
Otto, Alma Laura.....	A 2, T 2.....	Lincoln
Otto, Hepsie Frances.....	Au, (S).....	Western
Outhouse, Alberta June.....	A 1.....	Loup City
Overman, Mancel Elmo.....	CA 1.....	North Platte
Overman, Wallace Leroy.....	A 3.....	Lincoln
Overturf, Jesse Ray.....	Au, (S).....	Beaver City
Owen, Donald Robert.....	M 3, (S).....	Omaha
Owen, Griffith R.....	A 3, C.....	Lincoln
Owens, Cora.....	Au, (S).....	Geneva
Owens, Gladys Irene.....	CA 1.....	Bethany
Owens, Leona Lindsley.....	A 1, (M).....	Sidney
Owens, Oscar.....	A 1.....	St. Edwards
Oyler, Sherman Grant.....	CA 2.....	Wilber
Pace, Ira Albert.....	A 4, L 1, (S).....	Guide Rock
Pace, Leo Leander.....	A 4, L 1, (S).....	Guide Rock
Pade, Gustave Henry.....	A 2, C (S).....	McCook
Page, Garnett Ellsworth.....	A 3.....	Lexington
Paine, George Clifford.....	Au.....	Ansley
Paine, Leland Shumway.....	A 1.....	Lyons

Name	College and Year	Home Address
Palensky, John.....	A 1.....	Wahoo
Palmateer, Homer Royal.....	A 2, (M).....	Creston
Palmer, Clinton Forest.....	A 1, (M).....	College View
Palmer, Dean Lores.....	CA 1.....	Lincoln
Palmer, Helen Agnes.....	A 1, FA.....	Lincoln
Palmer, Lawrence Alfred.....	A 4.....	Lincoln
Palmer, Lloyd.....	L 1.....	Tekamah
Palmer, Tella Anna.....	A 1.....	Lincoln
Palmer, Walter Bowman.....	E 2.....	Lincoln
Paper, Clara.....	Au, (THS, Ex.).....	Bloomfield
Papez, Emilie Barbara.....	Au, (Ex.).....	Leigh
Park, Esther Eastman.....	A 1.....	Omaha
Park, Frank C.....	A 1.....	Bertrand
Park, Ralph Herbert.....	E 3.....	Lincoln
Park, Ralph Ray.....	A 1, C.....	Bertrand
Parker, Eva.....	A 1, FA.....	Pender
Parker, Howard Guy.....	2 P 1.....	Pender
Parker, Philip Morgan.....	E 2.....	Julesburg, Colo.
Parks, Daisy Irene.....	A 1.....	Ashland
Parmele, Pollock.....	CA 1.....	Plattsmouth
Parmenter, Harley.....	A 2, C.....	Kenesaw
Parminster, Hugh Ernest.....	G, Ed, (S).....	Elmwood
Parry, Donald Dwight.....	A 1.....	Lincoln
Parry, Raymond Patton.....	A 4, L 1.....	Lincoln
Parsons, Charles Adolph.....	A 1, C.....	Omaha
Partington, Ada Elizabeth.....	T 4, (S).....	University Place
Partington, Anna.....	A 1.....	University Place
Partington, Mary.....	A 2, T 2, (S).....	University Place
Partridge, Edwin Maynard.....	G.....	Omaha
Pascale, Henry.....	L 2.....	Omaha
Pate, Walter Rominy.....	Au, (S).....	Alliance
Patt, Luella.....	A 1.....	Creston, Ia.
Patterson, George Raymond.....	CA 4.....	Fairmont
Patterson, Harold Coulson.....	CA 1.....	Omaha
Patterson, Harold Gregory.....	A 1.....	Clay Center
Patterson, Sarah Etta.....	G.....	Lincoln
Paul, Charles Eston.....	A 4, (S).....	Wakefield
Paulus, Albert Augustus.....	4 P 3, (S).....	Lincoln
Pavlat, Frank James.....	A 2.....	Lodge Pole
Payne, Joy Olivah.....	A 1.....	Lushton
Payne, Milton Junius.....	A 1.....	Lincoln
Payton, John Smith.....	A 1.....	Cambridge
Pearce, Luke Norval.....	A 4, (S, Ex.).....	Cozad
Pearce, Sidney John.....	CA 4.....	Lincoln
Pearse, Ruth Katrina.....	A 1.....	Lincoln
Peck, Helen Rodney.....	A 4, T 4.....	University Place
Peck, Jean Frances.....	A 3.....	Lincoln
Peck, Louise Joyce.....	A 4, (Ex.).....	Cedar Bluffs
Peebler, Jacob Adelbert.....	A 3.....	Nelson
Pegler, Edna Charlotte.....	CA 3, T 3.....	Lincoln
Pegler, Floyd Sherman.....	A 3, C.....	Palmyra
Pegler, Ilma Eva.....	A 2, T 2, (S).....	Palmyra
Peirce, Eugenia Ware.....	A 2.....	Phoenix, Ariz.
Peisiger, Charlotte Augusta.....	CA 1.....	Blue Hill
Pekar, Joseph.....	A 2.....	Ohiowa

ROSTER OF STUDENTS

588

Name	College and Year	Home Address
Pelton, Evangeline.....	A 2, T 2.....	Lincoln
Pendergrass, Walter Leo.....	A 1, C.....	Sabetha, Kans.
Penton, Clarence Albert.....	E 2.....	Lincoln
Perdue, Byron D.....	A 3, C.....	Lincoln
Perley, Edward Gibson.....	A 1.....	Omaha
Perrigo, Fred Monroe.....	A 1, C.....	Fremont
Perrin, Elizabeth Jewell.....	A 4, T 4, (S).....	Lincoln
Perry, Gracia Marie.....	A 1.....	Elgin
Perry, Mae LaNelle.....	A 2, T 2.....	Elgin
Perry, Margaret Evangeline.....	A 1.....	Lincoln
Persinger, Hollie Pauline.....	A 2, T 2.....	Central City
Persinger, Mary Eudora.....	G, (S).....	Lincoln
Perso, Ralph Ferdinand.....	CA 1.....	Dalton
Perusse, Francis Joseph.....	G.....	Lincoln
Peters, Mathilde Katherine.....	CA 4, T 4, (S).....	Lyons
Peters, Pauline.....	A 3.....	Yutan
Peters, Ray.....	Au, (S).....	Nickerson
Petersen, Johannes P.....	E 1.....	Omaha
Peterson, Anna Marie.....	A 1.....	Nehawka
Peterson, Carl Henry.....	A 3.....	Neligh
Peterson, Carl Raymond.....	A 1.....	Stromsburg
Peterson, Charles Edward.....	A 2.....	Omaha
Peterson, Fern Hildegard.....	CA 1.....	Oakland
Peterson, Harold Olaf.....	E 1.....	Blair
Peterson, Howard Raymond.....	A 1.....	Aurora
Peterson, Lloyd Edward.....	A 2, (S, Ex.).....	Gothenburg
Peterson, Myrtle Cathryn.....	CA 2, T 2.....	Crawford
Peterson, Nona Wyoma.....	CA 2.....	Lincoln
Peterson, Paul Jeffry.....	A 1.....	Neligh
Peterson, Russell Einer.....	A 1, C.....	Aurora
Peterson, Theodore.....	Eu.....	Marquette
Petring, Alfred William.....	A 3.....	Lincoln
Petring, Catharine.....	CA 3, (S).....	Lincoln
Pettee, Marjorie Belle.....	A 2, T 2.....	Hickman
Pettis, Dorothy Bradford.....	A 2, T 2.....	Lincoln
Pettit, Marie Ellen.....	CA 2, T 2.....	Fremont
Pettygrove, Edward Neal.....	A 2.....	Oxford
Petz, Samuel E.....	A 1, C.....	Firth
Pexton, Joseph Raymond.....	2 P 2.....	Harlan, Ia.
Pfrimmer, A. Blonda.....	A 2, (Ex.).....	Salesville, Mont.
Phelps, Zanta.....	CA 3.....	Bladen
Philbrick, Fred.....	E 2.....	Lincoln
Phillee, William Leonard.....	A 2.....	Holbrook
Phillips, Albert Jackson.....	A 1.....	Columbus
Phillips, Elmo Elsmere.....	A 1, C.....	Superior
Phillips, Gale Marie.....	A 2, (Ex.).....	Henderson, Ia.
Pickering, Jessie Ellen.....	A 1, (S).....	Friend
Pickering, Leo Leonard.....	2 P 2.....	Eustis
Pickett, John Coleman.....	A 1.....	Scottsbluff
Pier, Stanhope Reid.....	A 4, (S).....	Lincoln
Pierce, Catherine Jane.....	A 3, FA, (Ex.).....	Belleville, Kans.
Pierce, Dorothy.....	A 2, T 2.....	Lincoln
Pierce, Emma.....	Au, (S).....	Macedonia, Ia.
Pierce, James Herbert.....	E 4.....	Omaha
Pierce, Mary Scott.....	A 3, T 3, (S).....	Lincoln

Name	College and Year	Home Address
Pierce, Roger Scott	L 2	Lincoln
Pierce, Sarah Ethelyn	Au	Lincoln
Pike, Harry Wardell	A 2, C	Osceola
Pilcher, Velona Bissell	Au	Long Beach, Cal.
Piper, Morley E.	A 3, (S, Ex.)	Holbrook
Pitman, Benjamin Franklin	A 2, C	Chadron
Pitsch, Elizabeth	A 1	Lincoln
Pitzer, Charles Henry	A 1	Lincoln
Pizer, Harry Leon	A 1	North Platte
Platt, Mabel A.	A 1	Algona, Ia.
Plehn, Kenneth Karl	CA 1	Scottsbluff
Pogge, Helen Ann	CA 4, T 4	Red Oak, Ia.
Polansky, Helen Magdalene	A 1, C	St. Paul
Polhemus, Carrie	A 3, T 3, (S)	Holdrege
Polhemus, Winifred Odessa	A 2, T 2	Holdrege
Polk, Luvern	A 1	Lincoln
Polk, Marguerite Thecla	A 1, FA	Lincoln
Polk, Ralph Wiess	Au	Lincoln
Polk, Warren McCain	A 1, C	Sidney, Ia.
Pollak, Nettie Antionette	A 2, (S)	Lincoln
Pollock, Fay Hall	L 1	Omaha
Polnick, Emil John	CA 1	Red Cloud
Polnick, Paul Ben	A 1, C	Red Cloud
Polsley, Lloyd William	A 4, (M)	Wahoo
Pool, Ella B.	Au	Lincoln
Pool, Vera	G, (S)	Minden
Poorbaugh, Hazel Fay	A 1	Berlin, Pa.
Pope, Blanche Emily	G, (S)	Red Cloud
Pope, David John	A 1	Sutton
Pope, Mildred Rebecca	G, (S)	Lincoln
Porter, Elsie Laetitia	Au, FA, (S)	Lincoln
Porter, Grove Murray	CA 4, T 4, (S)	Nebraska City
Porter, Luke	2 P 1	Eddyville
Porterfield, Harold Barry	A 4, L 1	Essex, Ia.
Poska, Sidney Charles	L 2	Lincoln
Pospisil, Emma	A 2, (THS, S, Ex.)	Prague
Possner, Helene Catherine	CA 3, T 3	Omaha
Posson, Melancthon Braham	CA 3	Hayes Center
Poteet, Marcus Louis	L 2	Pawnee City
Pothast, Orris Joseph	A 1, C	Lincoln
Potter, Laird Irwin	A 1	Red Cloud
Potter, Rolland Hubert	A 1, C	Fairfield
Pound, McKinley	A 2	Mt. Vernon, S. D.
Powell, Carl Herbert	CA 1	Alliance
Powell, Orlo Allen	E 4	Stuart
Power, Julia Agnes	A 4, (S)	Lincoln
Power, Marschelle Harnley	G, A 4	Lincoln
Powers, Regina Mary	A 3, T 3	Lincoln
Powers, Verine Blanche	A 2	Kensington, Kans.
Pratt, Irving Wilson	A 1	Lincoln
Pratt, Willard Munson	A 2, (M)	Lincoln
Prawitz, Arthur Frederick	3 P 2	West Point
Preece, Jean Gertrude	A 1	Battle Creek
Premier, Chaney Lloyd	G	College View
Pressly, Harry T.	L 3	College Springs, Ia.

ROSTER OF STUDENTS

585

Name	College and Year	Home Address
Preston, Perry Isaac	A 1, (M)	Oakland
Prewitt, Camylle Anna	A 1, (S)	University Place
Price, Ruth Amelia	G, Ed	Lincoln
Prickett, Roland Walter	A 1	Fairfield
Priest, Martha Marie	A 1	Lincoln
Priest, Paul Herbert	M 1	University Place
Pritchard, James Edward	Au, (S)	Weldon, Ia.
Proctor, Philip W.	CA 3	Kearney
Prokes, Sylvia	Au	Schuyler
Proskovec, Louis Anton	A 4	Bruno
Proudfit, Alice Juliet	G	Lincoln
Proudfit, Daniel R.	A 2, C	Lincoln
Proudfit, Robert W.	L 3	Friend
Proushan, David	CA 1	Lincoln
Prusa, Emil Joseph	CA 4, (S)	Howells
Pucelik, Jerome Martin	A 1	Spencer
Puelz, Robert Ambros	Lu	Danbury
Purinton, Gertrude Louise	CA 4, T 4	Everett, Wash.
Purinton, Vivian Josephine	CA 4, T 4	Everett, Wash.
Puris, Abram	M 2	Omaha
Putt, Charles Joseph	L 1	Mankato, Kans.
Putt, John Leslie	A 2	Omaha
Quade, Theresa May	A 3, (S)	David City
Quick, Robert V.	Au	Lincoln
Quigley, Melba Louise	A 4, T 4	Lincoln
Quigley, Ruth	A 4, T 4	Valentine
Quinby, Julia Beatrice	L 1	Omaha
Quinn, Henry A.	Au	Council Bluffs, Ia.
Rabak, William	G	Lincoln
Rabe, Elizabeth Marie	A 3, T 3, (S)	Lincoln
Rabe, Frederick William	E 3	Lincoln
Radford, Floy	A 1	Lincoln
Radke, Franz Christopher	L 3	Wynot
Raecke, Walter R.	L 3	Central City
Rahn, Mary Gladys	A 1	Newcastle
Ralston, Orville Alfred	4 P 2	Lincoln
Ramey, Harriett Lenora	A 3, T 3	Lincoln
Ramge, Edith Alice	CA 1	Plattsmouth
Randall, Everett Lyman	A 4, L 1	Gibbon
Rands, Julia F.	A 4, (S)	Lincoln
Ranney, Edna Louise	G, (S)	Bethany
Ranney, Pauline	A 3, (S)	Red Cloud
Ranz, Nita Maxine	A 1	Omaha
Rasmussen, Elmer Willard	E 1	Alma
Rasmussen, Earl Copley	A 1, (M)	Ravenna
Ratcliff, Forest Dale	A 1	Benkelman
Rathbun, John G.	A 1	Shelby
Rathkey, Arnold Chester	E 1	Omaha
Rathkey, Ethel Catherine	A 4, (S)	Omaha
Raub, Leo Gerard	G	Olean, N. Y.
Raver, Paul Jerome	E 4	Lincoln
Ravitz, Sol	M 1	Omaha
Rawlings, Charles Melvin	A 1	Wymore
Raymond, Bruce Munson	A 1	Lincoln
Raymond, John Bryan	A 3	Norfolk

Name	College and Year	Home Address
Read, Florence Alva	A 4, (S)	Merna
Read, Pansy	A 1	Merna
Ream, Loy Gertrude	CA 1	Broken Bow
Reason, Arthur Wesley	G, Ed	Omaha
Reasoner, Nathan Robert	CA 3	Hastings
Redd, Leonard Berry	A 1	Riverton, Ia.
Reddish, Frances May	Au	Lincoln
Redelfs, John William	A 1, C	Bruning
Redelfs, Lammert Herman	A 2	Bruning
Redford, Helena Isabella	4 P 1, (S)	Lincoln
Reece, Alta Estella	A 3, T 3	Lincoln
Reece, Thomas Alvin	L 2	Shelby
Reed, Carolyn Margaret	A 1, (Ex.)	Lincoln
Reed, Charles Seymour	L 1	Arnold
Reed, Edward Floyd	A 3	Lincoln
Reed, Florence	A 1	Lincoln
Reed, Frank John	L 2	Lincoln
Reed, Harry Lee	A 2	Beaver Crossing
Reed, Hattie Belle	Au	Lincoln
Reed, Isa Dolores	G, Ed (S)	Lincoln
Reed, Merrill Virgil	G	Lincoln
Reed, Oliver Puterbaugh	E 2	Nebraska City
Reeder, Marion Graham	A 3	Columbus
Reeker, Ernest Lenord	L 1	Meadow Grove
Rees, Mildred Price	CA 2	Norfolk
Reese, Alfred Irvin	A 2	Randolph
Reeves, Glenn Sterritt	E 3	Omaha
Reiher, Helen Mamie	A 3, T 3	Red Cloud
Reiher, Robert Edward	CA 1	Red Cloud
Reimer, Charles	A 3, C	Bartley
Reimer, William	G, Ed	Lincoln
Reimers, Albert	A 1, FA	Norfolk
Reimund, Frances Scott	Au	Lincoln
Reimund, Harry H	A 1, (Ex.)	Lincoln
Reinertsen, Bernhard Reynold	M 2	Elk Point, S. D.
Reinhart, Dale Hiram	A 2	Diller
Reinsch, Frank Herman	G	Lincoln
Reith, Allan Funder	A 3, (M)	Lincoln
Remington, Merlin Clayton	E 2	Crawford
Renie, Robert Oswald	A 3, (M, S)	Arapahoe
Reutzel, Emil William	A 1, C	Neligh
Reynolds, Harry Burch	L 1	Lincoln
Reynolds, Josiah Franklin	A 2	Gretna
Reynolds, Leonard Wilber	A 3, C	Lincoln
Reynolds, Virginia	A 3, T 3	Horton, Kans.
Reynolds, William Arven	A 1, (S)	Nelson
Reynoldson, Addie	G, Ed	St. Edward
Rezabek, Lewis Ferdinand	A 1, (S)	Wilber
Rhoades, Elmer Lamont	G	Lincoln
Rhode, Dorothy Elizabeth	A 3	Randolph, Ia.
Rhoden, Beulah Richard Harold	G, (S)	Lincoln
Rhoden, Margaret	Au	Lincoln
Rhodes, Noel Nicholson	CA 3	Lincoln
Rhodes, Roscoe Bryan	A 2	Ansley
Rice, Adolph Lemuel	A 3	Omaha

ROSTER OF STUDENTS

587

Name	College and Year	Home Address
Rice, Bloomer Balch	Au	Grand Island
Rice, Effie Estelle	A 2	Lincoln
Rice, Gladys Pauline	A 1	Lincoln
Rice, Harvey Lewis	A 1, C	Pawnee City
Rice, Louise Bessey	G, Ed, (S)	Sioux Falls, S. D.
Rice, Paul Melville	A 1	Sterling
Rice, Roscoe Lyons	A 1	Creighton
Rice, Waldo Silas	A 1, C	Norfolk
Rich, Clifford Claude	A 1, C	West Point
Richard, Sister Mary	Au	Lincoln
Richards, Lesa Sophia	A 1, (S)	Lincoln
Richards, Thomas Andrews	G, (S)	Syracuse
Richards, Webb	A 1	Hebron
Richardson, Hazel M.	G, Ed, (S)	Auburn
Richardson, William Thomas	A 1, (M)	Mynard
Richert, Ethel Freda	CA 4, T 4	Clay Center
Richmond, Dora E.	A 1	Grant
Richmond, Mark Giddings	CA 3, T 3	Ogallala
Richmyer, Louis Decker	CAu	Ansley
Rickelton, Russell Alexander	Au, C	Red Oak, Ia.
Rickert, Caroline	2 P 1	Lincoln
Riddell, John L.	L 3	Beatrice
Riddell, Ted Eugene	A 3, T 3	Lincoln
Rider, Charles	A 2	McCook
Ried, Pearl Elizabeth	CAu, (S)	Lincoln
Riesland, Clara May	A 4, (S)	Lincoln
Rigdon, Bessie Mae Deffer	A 3	Fairbury
Rigdon, Harry Pryor	G, (Ex.)	Fairbury
Rigdon, Vera Esta	A 1	Fairbury
Riggert, Leonard Otto	M 4	Norfolk
Riggle, Fred H.	Au, (S)	Truro, Ia.
Riggs, Joy Alma	CA 4, T 4, (S)	Lincoln
Riggs, Marcia Louise	A 1	Lincoln
Riggs, Zilpha Martha	A 3, T 3	Lincoln
Richter, Charles Boardman, Jr.	A 1, FA	Lincoln
Riley, Joseph Burdette	A 1, C	Lincoln
Rincker, Ernest W.	Pu	North Platte
Rinderspacher, Harry August	A 1, C	Hastings
Ringswald, Edna Elizabeth	A 4, (S)	Peru
Riordan, Marguerite Rita	A 2, (S)	Lincoln
Rippey, John Raymond	G, (Ex.)	Lincoln
Risdon, Sarah	Au	Lincoln
Ritchey, Edward Norman	A 1, (M)	Lincoln
Roane, Ida Lucile	G	Lincoln
Robbins, Velma Carmond	A 1	Elgin
Roberts, Genevieve	A 3, FA	Lincoln
Roberts, Homer Alfred	A 1	Lincoln
Roberts, Ida Kathryn	A 4, T 4, (Ex.)	Nebraska City
Roberts, Marian Lee	CA 3, (Ex.)	Kenesaw
Roberts, Walter Freeman	CA 3	O'Neill
Roberts, Walton Barwick	A 1, (THS)	Lincoln
Roberts, Warren Thomas	E 4	Oakland
Robertson, Maude Lucille	A 1, (S, Ex.)	Wymore
Robertson, Rob Roy	CA 1	Broken Bow
Robey, Blanche Knowlton	Au, (S)	Lincoln

Name	College and Year	Home Address
Robey, Ora Gertrude.....	Au, (S).....	Lincoln
Robinson, Francis Victor.....	L 1.....	Fullerton
Robinson, Grace Beatrice.....	A 2, T 2.....	Omaha
Robinson, Seleyr Burdette.....	A 1.....	Cowles
Rockwell, Marshall James.....	Au, (S).....	College View
Rodenwold, Benjamin William.....	CA 1.....	O'Neill
Rodgers, Clarence Edwin.....	M 2.....	Osmond
Rodman, Roland Virgil.....	L 1.....	Blair
Rodwell, Glenn.....	A 1, C.....	Cambridge
Roebbing, Margaret Elizabeth.....	A 1, (THS).....	Omaha
Rogers, Everett Mitchell.....	Eu.....	Omaha
Rogers, Floyd Lessie.....	A 2, (M).....	Randolph
Rogers, Margaret Neville.....	A 1, FA.....	Ragan
Rogers, Richard Huntington.....	A 3, C.....	Minden
Rogers, True Gingery.....	Au, FA.....	Lincoln
Rogers, William Morland, Jr.....	2 P 2.....	Ragan
Rohde, Charles John.....	CA 1.....	Lena, Ill.
Rohrbaugh, Lillian Gladys.....	CA 1.....	Seward
Rohrbough, Byron Felgar.....	L 1.....	Omaha
Rohrs, Henry Edna.....	A 3.....	Omaha
Rohwer, Albert.....	CA 3.....	Fort Calhoun
Roland, Frank A.....	Au.....	David City
Roland, Maud.....	A 3, (S).....	Bethany
Rolfe, Izora Rachel.....	CA 2, (S).....	Havelock
Rolfe, Lloyd Eastman.....	A 2.....	Wisner
Rolland, Marie Agnes.....	A 1.....	Havelock
Rolofson, Annie Knepper.....	A 1.....	Lincoln
Rolofson, Pearl.....	G.....	Lincoln
Romer, Einer.....	A 1.....	Blair
Romer, John Christen.....	A 4.....	Blair
Rook, Leonard Laurston.....	A 1.....	Stratton
Root, Frankie Joy.....	Au, (S).....	Lincoln
Root, Jesse Marvin.....	E 3.....	Omaha
Rose, Elizabeth.....	A 3, T 3, (S).....	University Place
Rose, Leo Dow.....	A 2, (M).....	Lincoln
Rosecrans, Lynn Edgar.....	CA 1.....	Pine Ridge, S. D.
Rosenman, Abraham I.....	Au.....	Tchernigov, Russia
Ross, Arthur J., Jr.....	M 4.....	Perry
Ross, Charles Kenneth.....	L 1.....	Blair
Ross, Grace Isabel.....	A 3, T 3.....	Blair
Ross, Ralph Robert.....	G, Ed.....	Blair
Ross, Turner A.....	CA 1.....	Homer
Rothrock, Harry Jennings.....	L 1.....	Exeter
Rothman, Winifred.....	A 2, (S).....	Lincoln
Rough, Emily Violet.....	G, (S).....	Weeping Water
Rouse, Eugene Commegys.....	E 2.....	Lincoln
Rousselle, Richard Albert.....	A 1.....	Milford
Rowan, Charles Harold.....	A 1, C.....	Dalton
Rowell, Eugene Clark.....	G.....	College View
Royer, Clinton Stover.....	A 1, C.....	Arcadia
Royse, Florence Minnie.....	CA 1.....	Raymond
Rubelman, Betty.....	A 1.....	Tecumseh
Ruby, Glen Matthew.....	G.....	Lincoln
Rucker, Orla Oscar.....	CA 2.....	Crete
Rudersdorf, Lillian.....	A 3, FA.....	Omaha

ROSTER OF STUDENTS

589

Name	College and Year	Home Address
Rudersdorf, Walter T. H.	CA 4.	Omaha
Rudloff, Frank X.	M 1, (Ex.)	Spalding
Rule, Golden	A 2, T 2.	Lincoln
Rummons, Constance	G, (S)	Lincoln
Rundquist, Clarence Fremont	A 1.	Royal
Runge, Lulu Lillian	G.	Lincoln
Runkel, Floyd Hott	CA 4.	Lincoln
Rusche, Carl Frederick	M 2, (S)	Columbus
Rush, Forrest Allen	CA 1.	Stanford
Rush, Homer P.	A 3.	Omaha
Rush, Ruth	CA, 3 T 3.	Lincoln
Rusher, Ethel Alta	CA 3.	Octavia
Rushton, Arthur Lyell	A 3, C.	Omaha
Russ, Wilma Carolyn	A 1.	Falls City
Russell, Anne Ingham	A 4.	Omaha
Russell, Webb Levelle	2 P 1.	Weeping Water
Russon, Vaughn Walter	A 2.	Broken Bow
Ruttner, Edward Albert	E 1.	Sidney
Ryman, Eugene Miles	G, Ed, (S)	Lincoln
Ryons, Dorothy Jane	A 1.	Lincoln
Sackett, Abbie Gladys	A 1.	Valparaiso
Sackett, Emma Anna	A 3, T 3.	Lincoln
Safarik, Lumir Robert	M 3.	Omaha
Safford, Bernice Luella	A 1.	Lincoln
Salisbury, Frederick Scott	M 4.	Broken Bow
Salisbury, Walter Francis	E 1.	Lincoln
Sallenbach, Herbert Frank	CA 2.	Omaha
Samuelson, Charles Godfrey	3 P 3.	Milford
Samuelson, Elving Bernard	CA 1.	Holdrege
Samuelson, LaVernon	A 1.	Hildreth
Samuelson, Oscar Fredrick	E 2.	Milford
Sanburn, Annie May	A 1, (S)	Friend
Sandall, Alice Estella	Au, (S)	York
Sanden, Carl Einer	Lu, (S)	Lincoln
Sandlovich, Elizabeth Madeline	A 1, (THS)	Lincoln
Sands, Lila	A 2.	Winter Haven, Fla.
Sands, Robert Lyman	M 2.	University Place
Sandstedt, Rudolph Marion	CA 1.	Lincoln
Sandstedt, Ruth Viola	CA 1, (S)	Lincoln
Sandusky, Ella May	A 3, (Ex.)	Tecumseh
Sandusky, Harold Thomas	A 1, C.	Sterling
Sandy, Florence	CA 3, T 3.	Gretna
Sanford, Genevieve	Au.	Lincoln
Sanford, Helen Homans	A 2.	Omaha
Sanford, Ethel Andrus	Au, (S)	Lincoln
Sargenson, Julia Lelah	Au.	Hartington
Sauer, Leslie Earl	A 1, (M)	Strang
Saunders, Dudley Kenneth	A 1, C.	Lincoln
Saunders, Helen Juanita	A 2, C.	Billings, Mont.
Saunders, Raymond June	A 4, C.	Billings, Mont.
Savage, Howard Anthony	G.	Lincoln
Savage, Lottie	G, (S)	Lincoln
Sawyer, Hazel Katherine	CA 1.	Lincoln
Sawyer, Proctor Herbert	E 1.	Lincoln
Saxon, Ruben Bryan	E 3.	Lincoln

Name	College and Year	Home Address
Saxton, Alvan Felix.....	E 1.....	Tilden
Schachterle, William.....	A 4, (S).....	Hartum, Colo.
Schade, Arthur Lawrence.....	G.....	Lincoln
Schaf, Andrew.....	Au, (THS, S).....	Grafton
Schafer, Marion Howard.....	CA 1.....	Upland
Schrank, Mary Ellen.....	A 2, T 2.....	Clarks
Schaum, Lydia Louise.....	A 4, M 4, (S).....	Macon
Schaupp, Zora Aleita.....	A 2, T 2.....	Lincoln
Schavland, Louise.....	A 4, T 4.....	Lincoln
Scheffel, Alfred.....	CA 1.....	Ponca
Scheib, Leah.....	A 1, FA.....	Norfolk
Scheibel, Alfred.....	A 3.....	Campbell
Scheidt, John Henry.....	CA 4, T 4.....	Friend
Schellenberg, Elmer Henry.....	A 1.....	Johnson
Schembeck, Isaac S.....	M 3.....	Lincoln
Shembeck, Rebecca Hazel.....	A 1.....	Lincoln
Schemel, Helene Marie.....	A 3, (S).....	Hoskins
Schemel, Margaret C.....	A 2, (S, Ex.).....	Hoskins
Schertz, Charles Bryan.....	E 1.....	Lincoln
Schertz, Mae Rose.....	CA 2.....	Lincoln
Scherzinger, Ruth.....	Au.....	Nelson
Schlotman, Pearl.....	A 1, (S).....	Ewing
Schmalzried, Stamper.....	CA 2.....	North Platte
Schmidt, Arthur Walter.....	A 1.....	Lincoln
Schmidt, Harold Blassius.....	A 1.....	Lincoln
Schmidt, Herald Arthur.....	A 1.....	Elkader, Ia.
Schmidt, Otilia Flora.....	A 4.....	Tecumseh
Schmidt, William Edwin Karl.....	Eu.....	Lincoln
Schoen, Royal Lincoln.....	CA 1.....	Lincoln
Schoenleber, Florence Charlotte.....	CA 4, T 4, (S).....	Bethany
Schofield, Charles Edwin.....	A 4.....	Lincoln
Schofield, Leah Amelia.....	A 4.....	Lincoln
Scholten, William.....	A 4, (S).....	Broadwater
Schoonmaker, William Walter.....	A 2, C.....	Cambria, Wyo.
Schott, Alice Magdalena.....	A 2, (S, Ex.).....	Silver Creek
Schreier, Fred.....	G, Ed, (S).....	Dakota City
Schrier, Clifford Cyperian.....	L 1.....	Verdigre
Schroeder, Herman Gordon.....	A 1, (THS).....	Lincoln
Schroeder, Lena Fredricka.....	Au.....	Lincoln
Schroeder, Walter Burt.....	A 1, C.....	Lincoln
Schulte, Clara Barbara.....	A 3, T 3.....	Elgin
Schultz, Anton Theodor.....	Au, (S, Ex.).....	Hampton
Schultz, Frederick William.....	E 1.....	Havelock
Schultz, Olive Martha.....	CA 1.....	North Loup
Schumacher, Edward Henry.....	A 1.....	Tilden
Schumacher, William Alfred.....	E 4.....	DeWitt
Schurman, Lee Otilia.....	A 2.....	Fremont
Schwab, Gladys Minnie.....	A 2, T 2.....	Osceola
Schwab, Helen Louise.....	A 4, T 4, (Ex.).....	McCook
Schwab, Raymond.....	A 1.....	McCook
Schwartz, John Wixer.....	A 1, (M).....	Emerson
Schwarz, Albert Peter.....	L 2.....	Lincoln
Schwertley, Alice Katherine.....	G, (S).....	Holdrege
Scott, Clifford Bryan.....	A 4.....	Lincoln
Scott, Cree Prentice.....	CAu.....	Kearney

ROSTER OF STUDENTS

591

Name	College and Year	Home Address
Scott, Jason Earl	A 1	Seward
Scott, Mittie Young	A 3, T 3	Plainview
Scott, Ray Wycliffe	E 3	Lincoln
Scott, Robert Douglas	G	Lincoln
Scott, Roland	L 1	Imperial
Scott, Rufus Wiley	L 1, (S)	Plainview
Scott, Susie	A 2, T 2	Kearney
Scott, Wardner Gibson	E 3	Lincoln
Scott, Zella Pearl	A 2	Norton, Kans.
Scoular, Katherine Janet	A 1	Superior
Scoutt, Dorothy	A 2, FA	Kearney
Scoutt, Mabel Porter	A 1, (S)	Kearney
Seroggin, Doris Eliza	A 4, T 4	Oak ¹
Seaberg, John Arthur	M 2	Saronville
Seabury, Florence Eleanor	CA 1, (Ex.)	Beatrice
Seabury, Roy Dorance	A 1, C	Logan, Ia.
Seabury, Vernon H.	CA 3, (Ex.)	Beatrice
Seacrest, Joseph Winger	A 2	Lincoln
Seacrest, Rachel Hathaway	A 1	Lincoln
Seaton, Laurence Froyd	G	Lincoln
Sederlin, Elvin Louis	M 2	Elk Mountain, Wyo.
Sedgwick, Alice	CA 1	Newcastle, Wyo.
Sedivy, Andrew Albert	CA 1	Lynch
Sedivy, Rudolph John	A 1, C	Lynch
Seegar, Geneva Pauline	CA 4, T 4	Glenwood, Ia.
Seeley, Edgar Taylor	E 2	Lincoln
Seely, Josefa	A 3, T 3	Syracuse
Seeman, Charles Edwin	A 2	Denison, Ia.
Seidel, Paul Edward	CA 1	Lincoln
Seim, Alma	A 3, T 3, (S)	Hartington
Selleck, John Kent	G	Chicago, Ill.
Selzer, Milton Roy	CA 3	Scottsbluff
Seng, Ervin Sebastian	A 2, C	Lincoln
Severin, Richard Otto	G, Ed, (S, Ex.)	Lincoln
Severin, Sister Mary	Au	Lincoln
Severyn, Charles E.	A 1, (S, Ex.)	Schuyler
Seymour, Ellanor Victoria	A 1	Lincoln
Shakelford, Aron	A 2, (M)	Lincoln
Shade, Anna Mae	A 4	Lorimer, Ia.
Shade, Lula	A 4, T 4	Hebron
Shafer, George Stillman	E 1	Coin, Ia.
Shaffer, Elizabeth Mary	G, Ed, (S)	David City
Shallenberger, Larsh B.	A 1, (S)	Hickman
Shanek, Bertha	G	Odell
Shank, Frederick William	Pu	Lincoln
Shannon, Loyal Edward	E 1	Waterloo
Sharp, Leland Vance	A 1	Stromsburg
Sharp, Lloyd Luther	E 2	DeWitt
Sharp, Zelda Viola	A 3, T 3	Blockton, Ia.
Shaw, Edson Walter	A 3, C	Lincoln
Shaw, Lawrence Ian	A 1	Osceola
Shaw, Marion Ansley	L 3	Osceola
Shaw, John C.	(Ex.)	Bethany

¹Deceased.

Name	College and Year	Home Address
Shea, Edward Francis.....	A 1.....	Oconto
Shea, Mildred Lee.....	A 2, T 2.....	Raymond
Shea, Philip Henry.....	A 1.....	Yuma, Colo.
Sheehan, Philip Edmund.....	A 2.....	Exeter
Sheehy, Alice Madaline.....	A 1.....	Omaha
Sheets, Addie Marrior.....	A 2.....	Wood River
Sheets, Clinton Arthur.....	A 3, (S).....	Elgin
Sheets, Nellie C.....	Au, (S).....	Elgin
Sheldon, George Walker.....	A 2.....	Lincoln
Sheldon, Marion Bel.....	A 3, T 3.....	Hyannis
Sheldon, Mary Josephine.....	M 2.....	Scottsbluff
Sheldon, Philip Lysle.....	CA 3.....	Lincoln
Sheldon, Ruth.....	CA 1, (S).....	Lincoln
Shepherd, Helen Curtiss.....	A 4, T 4.....	Lincoln
Shepherd, John Russell.....	CA 2.....	Ft. Morgan, Colo.
Sherer, Charles Robert.....	A 4, T 4.....	Red Cloud
Sherman, Bess Marie.....	A 3, T 3.....	Riverton, Ia.
Sherman, Lester Luvern.....	E 1.....	Louisville
Sherman, Richard Sylvester.....	A 4, T 4.....	Riverton, Ia.
Sherwin, Fay Ione.....	A 2, T 2.....	Harvard
Sherwin, Margaret Gladys.....	CA 4, T 4, (S).....	Lincoln
Sherwood, Raymond Gessell.....	M 4.....	Rogers, Ark.
Shields, Fredrick Loyd.....	A 1.....	Fordland, Mo.
Shields, Helen Rosiland.....	Au.....	Lincoln
Shields, Velma Cleo.....	CA 1.....	Paola, Kans.
Shifflet, Ernest C.....	CA 2.....	Cambridge
Shine, Martha Ellen.....	A 1.....	Mace, Ida.
Shinn, Elva Lillian.....	A 1.....	Lincoln
Shipley, Harry.....	M 1.....	Rippey, Ia.
Shipley, Joe Earl.....	A 1, (M).....	Mound City, Mo.
Shipley, Trajan Clane.....	E 1.....	Hooper
Shirey, Ralph W.....	A 2, (M).....	Daykin
Shively, Ruth.....	A 3.....	Lincoln
Shubert, Harold Cartwright.....	A 2, (M).....	Council Bluffs, Ia.
Shuff, Irene Casper.....	A 1.....	Lincoln
Shultz, John Floid.....	A 3, T 3, (S).....	Lincoln
Shumway, Jeremiah.....	CA 2.....	Lyons
Shutt, Roscoe E.....	G.....	Lincoln
Sikes, Alva Leland.....	E 2.....	Union
Sill, Grant Wood.....	M 2.....	Newport
Silsbee, Benjamin Frederick.....	E 2.....	Lincoln
Simanek, Edward John.....	3 P 2.....	Prague
Simmons, Fern.....	A 2, FA.....	Seward
Simmons, Roswell Clay.....	A 1.....	McCook
Simon, Faye Mildred.....	A 2, T 2.....	Pender
Simon, Mabel A.....	CA 1, (S).....	Gretna
Simon, Samuel.....	A 4, C.....	Lincoln
Simpson, Otis Earl.....	CA 4, (S).....	Wahoo
Simpson, William Leonard.....	A 1, (M).....	Lincoln
Sims, Robert Lowell.....	E 1.....	Indianola
Sinamark, Andrew.....	M 4.....	Fremont
Sinclair, Mary Elizabeth.....	CA 1.....	Lincoln
Sinclair, Ruth.....	A 3, T 3.....	Lincoln
Sinkie, Rudolph Ludwig.....	A 4.....	Lincoln
Shoemaker, Edward Joseph.....	L 3.....	Sidney

ROSTER OF STUDENTS

593

Name	College and Year	Home Address
Shores, Ward Adrian	A 3	Utica
Short, Mamie Frances	G, Ed, (S)	Lincoln
Showalter, Donald Fox	G, Ed.	Davenport
Showalter, Hattie Fox	A 1	Davenport
Showalter, John Francis	A 1	Lincoln
Shryock, Marie Eileen	A 1	Upland
Sjogren, Clarence August	Eu	Lincoln
Skelton, Perry	A 1, (M)	Spencer
Skillstad, George Peter	A 1, C	Newman Grove
Skinner, Mary Elizabeth	G, (S)	Lincoln
Skinner, Myra Childs	A 3, (S)	Lincoln
Skinner, Robert Francis	E 3, (Ex.)	David City
Skinner, Ruby Kathryn	A 1	Algona, Ia.
Skipston, Virgil Emerson	L 3	Shickley
Skow, Anna Marguerite	A 1	Council Bluffs, Ia.
Skyrme, Alice Blanche	Au, (S)	Superior
Skyrme, Ona Ann	CAu	Superior
Slade, Clara Mansfield	A 1	Lincoln
Slater, Florence Barton	A 1	Lincoln
Slater, Helen Louise	Au	Lincoln
Sloniger, Eyer	A 1	Lincoln
Slosson, Thomas Warren	CA 2	Lincoln
Slothower, John Percival	A 2, T 2, (S)	Lincoln
Slothower, Robert Scott	Au, C	Lincoln
Slotky, Samuel	Mu	Omaha
Smalley, Oscar Duane	E 3	Lincoln
Smith, Arthur Lawrence	G	Lincoln
Smith, Chauncey William	G	Lincoln
Smith, Earl William	Au, (S)	Merna
Smith, Edwin Ervin	G	Bethany
Smith, Ella Margaret	A 1	Hardy
Smith, Ernest Henry	A 4	Scottsbluff
Smith, Esther Madeline	A 4, T 4	Lincoln
Smith, Floyd A	A 1, (M)	Fremont
Smith, Frank LeRoy	A 3, (S, Ex.)	Sutherland
Smith, Fred Martin	E 1	Sterling, Colo.
Smith, Harold Emmanuel	E 1	Oakland
Smith, Harry Herbert	CA 1	Mitchell
Smith, Howard D	A 2, (Ex.)	Diller
Smith, Howard Nathan	E 2	Lincoln
Smith, Irwin Fish	E 4	Fremont
Smith, LeRoy Earl	A 3, (S)	Georgetown
Smith, Lulu Harding	CAu	Bethany
Smith, Malcolm Ream	A 3, (Ex.)	Homer
Smith, Margaret Ethel	A 1	Council Bluffs, Ia.
Smith, Paul Homer	E 4	Lincoln
Smith, Reno Silvester	CA 3	Madison
Smith, Seymour Leonal	A 1	DeSoto
Smith, William Emerald	A 1	Moville, Ia.
Snapp, Glenn Bryan	CA 3	Belleville, Kans.
Snapp, Robert Bruce	L 1	Lincoln
Snell, Hazel Frost	G	Lincoln
Snethan, Hazel Marguerite	A 2	Humboldt
Snipes, Leroy Francis	CA 3, (S, Ex.)	Lincoln
Snively, Ruth Magdalene	A 3, T 3	Sheridan, Wyo.

Name	College and Year	Home Address
Snocker, Frederick Amos	A 4, T 4	University Place
Snowden, George Wallace	E 1	Blair
Snyder, Charles Russell	CA 3, (S)	Kearney
Snyder, Frank Gordon	CAu.	Comstock
Snyder, Gertrude Marjorie	A 1, (THS)	Lincoln
Snyder, Leon Henry	L 2	Alma
Snyder, Anna Ruth	A 1	Council Bluffs, Ia.
Snyder, William Kenneth	CA 4, (S, Ex.)	Omaha
Sohlberg, Helen Adelin	Au.	Oakland
Soltow, Lawrence Milton	E 3	Lincoln
Sonderegger, Helen	CAu.	Beatrice
Sorensen, Alfred H.	A 1	Ord
Sorensen, Edwin Christian	A 1, (S)	Dannebrog
¹ Sorenson, Joseph Herbert	A 2, (M)	Omaha
Souders, Harry	Au, (M)	Auburn
Sougey, Zela Marie	A 3, (S, Ex.)	Lincoln
Souther, John Barron	A 3, (S)	Lincoln
Souther, Susie Page	A 3	Crawford
Southwell, Miriam Grace	A 1	Gering
Southwell, Rebecca Fay	A 4, (S)	Maitland, Mo.
Sowell, James William	G, Ed, (S)	Omaha
Sparks, Helen	A 2, (S)	Valentine
Spear, Wallace Edward	L 1	Genoa
Spears, Harvey Matthew	E 1	Red Oak, Ia.
Specht, Amelia Christina	A 2, T 2	Syracuse
Speier, Aaron Schloss	A 2, (M)	Lincoln
Spelts, Lura Belle	A 1	Lincoln
Speltz, Cyrus Edward	CAu.	Omaha
Spencer, Donald Willis	CA 1	Alliance
Spencer, John Ralph	Au.	Mankato, Kans.
Spencer, Natalie Klimena	A 1	Atkinson
Spencer, Ralph Maxwell	E 1	Red Oak, Ia.
Spohn, Don Vilas	CA 4	Superior
Spoon, John Daniel	A 1	Wymore
Spooner, Harry Rupert	Pu, (S)	Lincoln
Sprecher, Helen I.	A 1, (S)	Norfolk
Springer, Irene Lucille	A 1	Lincoln
Springer, Merlin Lorrin	A 2, C	Oxford
Sprogue, Howard Bennett	CA 2	Lincoln
Squair, Ruth Brayton	Au.	St. Edward
Squires, Gertrude	A 2, T 2	Hebron
Srb, Viola Morris	A 1, (Ex.)	Howells
Staack, Henry Frederick	A 3, T 3	Sterling
Staack, Lena Ehmen	Au.	Sterling
Staats, Etta Pearle	G, Ed, (S)	Plattsmouth
Stahl, Edith Columbia	G, (S)	University Place
Stahl, Grace Dexter	CA 2	University Place
Stalder, Roy Frederick	A 1, C	Moro, Kans.
Staley, Alvah	G, Ed, (S)	Superior
Stamper, Jean Francisco	G, (S)	St. Louis, Mo.
Stander, Dorothy Louise	A 3, T 3	Louisville
Strange, Gertrude Marguerite	A 1	Council Bluffs, Ia.
Stara, Antonia Elizabeth	A 1	Ord

¹ Deceased.

ROSTER OF STUDENTS

595

Name	College and Year	Home Address
Starboard, Earl David.....	A 2.....	Lincoln
Starr, Elias Franklin.....	G, (S).....	Grand Island
Starr, Ira Burnett.....	E 4.....	Lander, Wyo.
Starr, John Willard.....	E 1.....	Pawnee
Staton, George Walter.....	L 3.....	Berkeley, Cal.
Steck, Edward Hugo.....	A 3, C.....	Milligan
Steckelberg, Anna Louise.....	G, (S, Ex.).....	Plymouth
Steckelberg, Marie Mathilde.....	A 3, (S, Ex.).....	Plymouth
Steece, Frank B.....	Au, (S).....	Scotland, S. D.
Steele, Mary Milda.....	A 2, T 2.....	Hastings
Steenburg, Eleanor Lillian.....	A 4, T 4.....	Farmington, Ill.
Stehlik, Emma I.....	A 1.....	Table Rock
Steiger, Hulda Anna.....	A 3, T 3.....	Sutton
Stein, Winfield.....	E 3.....	Hastings
Stenner, Myra Mae.....	CA 1, (THS).....	Lincoln
Stephens, David Vance.....	CA 2.....	Lincoln
Stephens, Irma Jessamine.....	A 1.....	Lincoln
Stephens, Mary Dorothy.....	A 4, T 4.....	Lincoln
Stephens, Philip Holcomb.....	CA 3.....	Lexington
Stephens, Willard Washington.....	A 1.....	Rising City
Stephenson, Annie Eliza.....	Au, (S).....	Lincoln
Stephenson, Ruth Cleveland.....	A 4, (Ex.).....	Clay Center
Sterba, Robert Ingersoll.....	A 1, (M).....	Omaha
Sterns, Clarence Edward.....	A 1.....	Benson
Steuteville, Mary.....	G, (S, Ex.).....	Brownville
Stevens, Althea Dallett.....	A 2, T 2.....	Lincoln
Stevens, Harold Fredrick.....	A 2, C.....	Creston
Stevens, J. Donald.....	A 4, C.....	Beatrice
Stevens, Olive Maria.....	A 1.....	Pawnee City
Stevens, Pearl Ray.....	Au, (S).....	Bethany
Stevenson, Pearl.....	G, Ed, (S).....	Auburn
Stewart, Carrie Myrtle.....	A 1.....	Lincoln
Stewart, Elizabeth Mary.....	A 1, FA.....	Waco
Stewart, Elma Glancy.....	CA 1.....	Dorchester
Stewart, Eugene Briggs.....	A 3, C.....	Randolph
Stewart, Gertrude Sophia.....	CA 4, T 4, (S).....	Lincoln
Stewart, Glen G.....	A 2, C.....	Beatrice
Stewart, Hazel Adelyn.....	A 1.....	Meadow Grove
Stewart, Howard Coke.....	M 1.....	Tecumseh
Stewart, Paul Hesden.....	G.....	Kennard
Stibal, Louise Anna.....	A 1.....	Richland
Stibal, Thomas.....	L 3.....	Richland
Stickel, Daphne Antoinette.....	A 2.....	Kearney
Stiles, Brinton McClellan.....	Au, (THS, S).....	Brule
Stiles, May Louise.....	A 2, T 2.....	Lyons
Stilgebouer, Bernice L.....	A 3, (Ex.).....	Bartley
Stille, Sue.....	A 1.....	Lincoln
Stillwell, Charles Frizzel.....	G, Ed, (S, Ex.).....	Lincoln
Stimson, James Miller.....	G, (S).....	Pawnee, Okla.
Stockman, Harold John.....	G, (Ex.).....	University Place
Stockman, Martha Jane.....	Au.....	Lincoln
Stockwell, Edward Dana.....	Eu.....	Lincoln
Stoddard, John.....	L 1.....	Auburn
Stoddard, John Bergman.....	A 4.....	Lincoln
Stoecks, Elfrieda Adele.....	A 2.....	Monmouth, Ill.

Name	College and Year	Home Address
Stokke, Dean Emil	Eu.	Lincoln
Stoll, Louise Beatrice	A 3, T 3, FA.	Beatrice
Stone, Audra	Au.	Lincoln
Stone, Carl Bernard	G.	Lincoln
Stone, Ethel	A 4, T 4, (S)	Lincoln
Stone, Floyd Merrill	A 1, C.	Lincoln
Stone, George LaVerne K.	E 1.	Alvo
Stoneypher, David Daniel	M 1.	Omaha
Storey, William Good	A 1, C.	Red Cloud
Storkan, Anne	A 1, (THS, S)	Wilber
Storkan, Antonia Lyda	A 1, (S)	Wilber
Storkan, William Harry	A 1.	Wilber
Storms, Helen Elizabeth	A 1.	Lincoln
Story, Lillian Everett	A 1.	Lincoln
Stout, Humbert Gambetta	G, Ed, (S)	Overton
Strahan, James Miller	CA 2.	Wayne
Strahl, Emil John	Pu.	Lincoln
Strähle, John Jacob	G.	Beaver City
Strandberg, Anton	A 2.	Pringhar, Ia.
Stratton, Ashby Thomas	A 1, C, (THS)	Lincoln
Streeter, Julia Ada	A 1.	Lincoln
Strejc, Minnie	Au, (Ex.)	Greenwood
Stretton, Charles Thomas	A 1, (M)	Chester
Stribic, Frances Pauline	A 1.	Lincoln
Strickland, Leland H.	Au.	Guide Rock
Strieter, Gertrude Emily	A 2, (S)	Seward
Strimple, Cecil Clarence	A 2.	Omaha
Striplin, Alice Valeria	A 1, (S)	Lincoln
Strode, Josephine Hevansa	A 1.	Lincoln
Stromer, Marie Katherine	A 3, T 3.	Alvo
Strom, Albert Paul	E 1.	Mead
Stromer, Bryan William	A 1, C.	Hastings
Story, Herbert Eric	A 1, (THS)	Murdock
Stubbs, Allan Hugh	E 3.	Lincoln
Stubbs, Murial Myrle	A 2.	Lincoln
Studley, Hiram O., Jr.	A 1.	Creston
Studts, Marie Margaret	A 2, T 2.	Lincoln
Stuft, Clella	G.	Fairfield
Sturdevant, Elma Christine	CAu.	Lincoln
Sturdevant, Elizabeth Lee	A 1, FA.	Omaha
Sturdevant, Katherine	CA 2, T 2.	Omaha
Sturm, Ralph McCarthy	A 3, (S)	Nehawka
Sturmer, Anna Marie	A 4, (S)	Jansen
Stutheit, William C.	CA 3.	Upland
Sublette, Clara Pauline	A 2.	Nebraska City
Suess, Gertrude M.	A 4, T 4.	McCook
Sughrue, Anna Genevieve	A 4, (S)	Shickley
Sugino, Kenzo	E 1, (Ex.)	Lincoln
Suhr, Emil H.	A 2, (S)	Lincoln
Suhr, Laura Johanna	A 3, (S)	Lincoln
Sukovaty, Arnost	A 2.	Swanton
Sullivan, Timothy Edward	CA 1.	Omaha
Summers, Oliver Nelson	CAu.	Lincoln
Summitt, Beatrice Naomi	A 1, FA.	Omaha
Summitt, Paul Eugene	A 2.	Omaha

Name	College and Year	Home Address
Surber, Frank Raymond	M 1	Waterbury
Sutherland, Allen Jennings	A 3, T 3, C	Lincoln
Sutherland, Rachel Viola	A 3, T 3, (S)	Lincoln
Svoboda, Blanche M. A	A 1	St. Paul
Svoboda, Clements Vladimir	A 3, C, (S)	St. Paul
Swails, Pearl Louisa	Au, (S)	Geneva
Swanbom, Elmer Ebenezer	A 1	Wahoo
Swanbom, Irwin Philemon	A 1	Wahoo
Swanborn, Alaric Roy	G, (S)	Wahoo
Swanson, Anna Viola	CA 1	Aurora
Swanson, Alice Amanda	G, Ed, (S)	Holdrege
Swanson, Carl Helge	A 1	Ravenna
Swanson, Charles Luther Reinhold	E 4, (S)	Oakdale
Swanson, Clarence	A 1, (THS)	Ravenna
Swanson, Hjalmar Edgar	A 1	Bertrand
Swanson, Irene Naomi	CA 3, T 3	Funk
Swanson, Leonard August	A 1, (M)	Clay Center
Swanson, Mabel Eleanor	G, Ed	Holdrege
Sward, John	A 1	Omaha
Swartzlander, Fredericka	A 4	Omaha
Sweeney, Edward E	A 2, (M)	Lincoln
Sweet, Fred Louis	A 2	Chanute, Kans.
Swenson, Axel Carl Richard	A 4, (S, Ex.)	Oakland
Sykes, Vergil Charles	A 1	Ruskin
Talcott, Vernon Vivaldo	M 4	Crofton
Talich, Elmer Martin	E 1	Giltner
Tanner, Herbert Giles	G, (S)	St. Louis, Mo.
Tanner, Mary Taylor	CAu	Lincoln
Tanner, Neola Adenia	Au, FA	Lincoln
Tate, Guy Erven	2 P 1	Lodge Pole
Taylor, Albion Guilford	G	College View
Taylor, Carleton Saunders	E 1	Blair
Taylor, Charles William	G, Ed, (S)	Lincoln
Taylor, Cora May	Au, C, (S)	Lincoln
Taylor, Cyril Benson	A 1, C	College View
Taylor, Edward Langworthy	A 1	Lincoln
Taylor, Effie	Au	Plainview
Taylor, Eunice Leonora	CA 4, T 4	Hastings
Taylor, Florence Leo	G	College View
Taylor, Fred Douglas	A 1	Lincoln
Taylor, Max William	A 4	Lincoln
Taylor, Orlando Peter	A 3, C	Clay Center
Taylor, Pearl Paulina	A 1, (S)	Lincoln
Taylor, Ralph Lock	CA 2	Central City
Taylor, Roy James	E 2	Lincoln
Taylor, Seth Charles Henry	E 1	Lincoln
Taylor, Vantrese LaFayette	E 2	Lincoln
Taylor, Verlin Wickiffe	A 1	Red Cloud
Taylor, Vivien Clare	A 1	Lincoln
Tebbetts, Bernice White	Au	Lincoln
Teel, Fay Evelyn	A 4, T 4	Red Cloud
Teeters, Olive Anne	A 3, T 3	Fairfield
Teigeler, James Henry, Jr	A 1, C	Fremont
Tell, Arthur William	E 4	Dunbar
Temmey, Anna Celia	A 1, FA	Onida, S. D.

Name	College and Year	Home Address
Temple, Alice Clare	A 1	Lexington
Temple, Helen Ruth	A 1	Lexington
Tenhaeff, Arthur E.	A 4, L 1	Brush, Colo.
Tennyson, Saidee, May Arena	CAu, (S)	Ashland
Terry, John Edward	CA 1	Monroe
Terry, Viola Margaret	CA 1	Monroe
Tessier, Bernice Marjory	A 2, T 2	Lincoln
Tessier, Kirk	A 1, C	Lincoln
Teter, John Franklin	A 1	Bartley
Teter, William August	2 P 1	Bartley
Tewell, Francis Raymond	E 1	Polk
Thaden, John Fred	CA 2	Randolph
Thatcher, Guy Clifford	E 4	Butte
Thayer, Nellie Maude	A 1, (S)	Bertrand
Theal, Charles Winfield	E 2	Lincoln
Theisen, Henry Herbert	G, Ed, (S)	West Point
Theisen, Ralph Leroy	A 4, C	West Point
Therkelsen, Carrie Chmelka	G	Lincoln
Thiehoff, Ora Alleene	CA 2	Omaha
Thiel, Albert Frederick	G	Lincoln
Thistlewait, Ruth	A 2, (S)	Beatrice
Thomas, Alfred Gladwin	A 1	Mead
Thomas, Alice M.	A 1, (THS, S)	Indianola
Thomas, Bernard George Herman	A 3	Laurel
Thomas, Cecil Charles	A 1	Fremont
Thomas, Clyde Samuel	G, Ed, (S)	Omaha
Thomas, Dwight Phillips	A 3	Lincoln
Thomas, Ellamay Calvin	G, (S)	Lincoln
Thomas, Herman Herbert	A 1	Hebron
Thomas, Hugh Clark	A 1	Fairmont
Thomas, Joseph Frances	A 3, C	Aurora
Thomas, Lyman Hueston	A 3	Omaha
Thompson, Alfred Vernon	E 2	University Place
Thompson, Benjamin Harrison	G	Lincoln
Thompson, Bessie Enyeart	Au	University Place
Thompson, Claude Landis	A 1	West Point
Thompson, Cyril C.	L 2	Lincoln
Thompson, Frederick Edward	A 1	North Platte
Thompson, Harry Landis	G	Lincoln
Thompson, Helen Mary	A 3, T 3	McCook
Thompson, Herman Bernard	E 3	Auburn
Thompson, Homer B.	E 1	Morrill, Kans.
Thompson, Janet Hammond	CA 4	Lincoln
Thompson, Jay	E 1	Gibbon
Thompson, Kenneth Levi	M 3	West Point
Thompson, Lavinia Huff	A 2, T 2	Omaha
Thompson, Mabel Pearl	CA 4, T 4	Madison, S. D.
Thompson, Mildred Francis	A 3, T 3, (S)	Columbus
Thompson, Norma Busselle	Au	Lincoln
Thompson, William Michael	Au	Bloomington
Thomsen, Waldemar Peter	A 1	Omaha
Thomson, Leslie Randall	CA 2	Omaha
Thomson, Ray Thomas	G	Orchard
Thornton, Douglas Alexander	A 1, C	Gering
Thornton, Janet	A 1	Gering

ROSTER OF STUDENTS

599

Name	College and Year	Home Address
Thornton, Kenneth Edward	A 1, C	Gering
Thornton, Ray Ballow	A 4, (S, Ex.)	Tobias
Thorpe, Ralph Milton	CA 2	Nebraska City
Thorson, Theodore	G	Lincoln
Thurber, Alleyene Newman	Eu	Lincoln
Thurber, Evangeline Whitmore	CA 2, (S, Ex.)	Lincoln
Thurber, Melville Elbridge	Lu	Lincoln
Tift, Paul Givens	CA 1, (Ex.)	Milford
Tilgner, Irving	A 1, (M)	Lewellen
Tinkcom, Wilber Franklin	A 3, C	Cody, Wyo.
Tippet, Charles Emery	E 3	Lincoln
Tivey, Frank Hill	A 3	Silver Creek
Toogood, Caroline Marie	Au, (S)	Scotia
Tooley, Helen	CA 2, T 2	Anselmo
Torrence, Julia Lucretia	A 3, T 3	Lincoln
Torrence, Lenna Frances	CAu	Lincoln
Tourtlot, Margaret Vivian	CA 1	Adams
Tout, Wilson	A 2, (S, Ex.)	North Platte
Touzalín, Harry Theodore	A 2, (M, S)	Superior
Towle, Leland Merle	CA 4	Lincoln
Towne, Charles Cuyler	E 3	Wood River
Towne, Jessie Margaret	G	Omaha
Towne, Paul D	A 2	Jacksonville, Ill.
Townsend, Evelyn Estella	CA 1	Barnston
Townsend, Merl Corson	CA 3	Tecumseh
Townsend, Wayne LaSalle	A 3	Cook
Tracy, Ralph Newcomb	E 3	Pawnee City
Trehearne, Theodosia	Au	Lincoln
Trenchard, John William	A 2, C	Cambridge
Trester, Leonard W	A 1, L 1, (S)	Lincoln
Trester, Rachel	A 1, (THS)	Lincoln
Triplet, Richard Lee	A 1	Enid, Okla.
Trivelpiece, Leland Stuart	Au	Curtis
Troendly, Harry Plummer	E 2	McCook
Troester, Jacob John	Au, (S)	Lincoln
Troup, Grace	CA 2	Lincoln
Troup, Ramona	A 4, (S, Ex.)	Lincoln
Troup, Ralph Leslie	A 2, (M)	Council Bluffs, Ia.
Trout, Linneaus Robert	G, Ed, (S, Ex.)	Table Rock
Trowbridge, Dorothy	CA 1	Lincoln
True, John A	A 1, (S, Ex.)	Schuyler
Tschauner, Artemus A	A 2	Osceola
Tuchenhagen, Minna	A 3, (S)	Gordon
Tucker, Ada Almarie	Au	Lincoln
Tucker, Eldo Gordon	A 1	Lincoln
Tucker, Jesse Edward	E 2	Hardy
Tucker, Orrin Otis	E 3	Lincoln
Tully, Cecil Clare	Au FA	Lincoln
Tully, Lloyd Mosler	L2	Alliance
Turnure, Raymond Egbert	A 1, C	Red Cloud
Tyler, Clair Arthur Palmer	A 1	Lincoln
Tyre, Amy May	A 1, (S)	Lincoln
Ullstrom, Clarence Leonard	A 1	Memphis
Ulrich, Irvin Samuel	A 4, (S)	Spencer
Undeland, Edward Andrew	A 1, C	Omaha

Name	College and Year	Home Address
Underwood, Frances Nettie.....	A 1.....	Lincoln
Updegraff, Howard Leighton.....	M 2.....	Omaha
Upright, Ernest Sivell.....	E 2.....	University Place
Upton, Hubert Allen.....	E 1.....	Lincoln
Urbach, William Fred.....	Au.....	Fort Morgan, Colo.
Valentiner, Gertrude Louise.....	CA 1, (THS, S).....	College View
VanBoskirk, Robert Hayden.....	A 4, C.....	Lincoln
VanBrunt, Rutgers George.....	E 1.....	Beatrice
Vance, William Brooks.....	A 1, (M).....	Omaha
VanDenbark, Martha Melverna.....	A 1, C.....	Lincoln
Vanderpool, Merrill McKinley.....	A 2, C.....	Pierce
VanDriel, Agnes.....	A 4, (Ex. S).....	Malmo
VanKirk, Mary S.....	CAu.....	Lincoln
VanMeter, Garrett E.....	A 4, T 4, (S).....	Lynch
VanSant, Sadie Irene.....	CA 2, T 2.....	Ansley
Varner, Elizabeth.....	A 2.....	Tecumseh
Vasey, Charles Clarmont.....	CA 4, T 4.....	Liberty
Vasey, Galen James.....	A 1.....	Beatrice
Vasina, Anton Frank.....	A 2.....	Prague
Venner, Mabelle LaMay.....	A 1.....	Eagle
Vernon, Jesse.....	E 2.....	North Platte
Vernon, Robert Oscar.....	A 3, (S).....	Lincoln
Vessey, Frank Vernon.....	A 2, C.....	Washington Sprgs, S. D.
Vetter, John.....	Au.....	Red Oak, Ia.
Viele, Verne Kenney.....	E 2.....	Norfolk
Vifquain, Victor David.....	CA 2.....	University Place
Vogeltanz, Edward Louis.....	L 1.....	Bee
Voight, Edna M.....	A 3, T 3.....	Davenport
Voris, Herbert Rector.....	A 1.....	Morrill
Vosacek, Frank Richard.....	G, Ed.....	Omaha
Vose, Leonard Owen.....	G, CA 4, (Ex.).....	Lincoln
Votapka, Claude Clifford.....	E 1.....	Oberlin, Kans.
Wachter, Leona Marie.....	A 2, T 2.....	Lincoln
Wagey, Pearl Alice.....	G, (S).....	Cambridge
Waggener, Lillith Vail.....	A 3, (S).....	Humboldt
Wagner, Beulah Gertrude.....	CA 3, T 3.....	Lincoln
Wagner, Ralph Patterson.....	E 4.....	Beatrice
Wagner, Roy Edward.....	E 3.....	Tilden
Wakeland, Lucy M.....	Au, (S).....	Hoopeston, Ill.
Waldorf, Lauren Douglas.....	A 3, C.....	University Place
Walker, Arthur William.....	E 2.....	Omaha
Walker, Beth.....	A 4.....	Douglas
Walker, Evelyn.....	A 1.....	Waverly
Walker, Florence.....	G.....	University Place
Walker, Gladys H.....	A 1, (S).....	Omaha
Walker, Harold Hill.....	M 3.....	Mason City
Walker, Leon B.....	A 4, (S, Ex.).....	Norfolk
Walker, Mildred Stella.....	A 1, (S).....	Omaha
Walker, Ralph Glade.....	A 3, (S).....	Osceola
Walker, Raymond Hobson.....	A 3, C.....	Lincoln
Walker, U. Mirth.....	A 1.....	Red Cloud
Wallace, Alvin Burie.....	L 2.....	Chickasha, Okla.
Wallace, Bess A.....	A 1, C.....	Scottsbluff
Wallace, Dorothy E.....	A 4, T 4, (S).....	Lincoln
Wallace, Glenn Edgar.....	A 2.....	Omaha

ROSTER OF STUDENTS

601

Name	College and Year	Home Address
Walrath, Duane Everett.....	CA 3.....	Albion
Walrath, Fred Bartley.....	A 1.....	Omaha
Walrath, Marion Emerson.....	CA 1.....	Albion
Walrod, Guy William.....	E 4, (S).....	Bradshaw
Walsh, Anastatia.....	Au, (Ex.).....	Spencer
Walsh, Paul.....	Au.....	Lincoln
Walvoord, James Henry.....	M 1.....	Holland
Wampler, Lydia Alice.....	G, (Ext.).....	Bethany
Ward, Cecil Daniels.....	A 1, C.....	Fairmont
Ward, Hazel Belle.....	A 2, (S, Ex.).....	Beatrice
Ward, Helen Rosa.....	CA 1.....	Clay Center
Ward, Ida Annie.....	G, Ed, (S).....	Litchfield
Ward, Nellie Marguerite.....	G, (S).....	Lincoln
Ward, Roscoe Samuel.....	A 2, L 1.....	University Place
Ward, Wylie Ray.....	G.....	Overton
Warden, Carl John.....	G, (S).....	Lincoln
Warden, Lawrence Morris.....	Pu.....	Lincoln
Warden, May Etta Staton.....	A 3, (S).....	Lincoln
Ware, Arthur Hale.....	A 4, (S).....	Lincoln
Waring, Robert Bennett.....	L 3.....	Geneva
Warner, Aurora Pearl.....	A 1, (S).....	Ericson
Warner, Cecile Gladys.....	A 1.....	Lincoln
Warner, Estella Ardis.....	A 2, (Ex.).....	Roca
Warner, Esther Marie.....	CA 2.....	Lincoln
Warner, J. Laird.....	A 3.....	Lincoln
Warner, Pearl.....	A 2, (S).....	Ericson
Warner, Vera Frances.....	CA 3.....	Lincoln
Warwick, Charles William.....	G, (S).....	Dodge
Wasser, Milan Duane.....	A 1, C.....	Sabetha, Kans.
Waterhouse, Ruth Henrietta.....	Au.....	Fremont
Waterman, Theda LaRue.....	A 1, (S).....	Joliet, Ill.
Waters, Helen Margaret.....	A 1.....	Lincoln
Waters, Leland Leslie.....	A 1.....	Lincoln
Waters, Mary.....	A 1, (S).....	Lincoln
Waters, Winifred Belle.....	G, Ed, (S).....	Lincoln
Watkins, Ernest Earl.....	A 2, C.....	Omaha
Watkins, Grant Colfax.....	CA 1.....	McCook
Watkins, Marian.....	A 4, T 4.....	Lincoln
Watkins, Maude.....	Au.....	Julian
Watkins, Phillip.....	A 4.....	Lincoln
Watkins, Thomas Boyd.....	A 1, FA.....	Cambridge
Watson, Curry Wathan.....	G.....	Lincoln
Watson, Frank Hewitt.....	CA 4.....	Fairmont
Watson, Ira LeRoy.....	A 3, (S).....	University Place
Watson, Julia Permelia.....	G, (S).....	Lincoln
Watson, Minnie Fried.....	CA 2.....	Lincoln
Watson, Raymond McTicker.....	A 1, C.....	North Bend
Watson, Ruth K.....	A 1, (S).....	Fairmont
Watters, Phil Ganz.....	M 1.....	Des Moines, Ia.
Way, Charles Willard.....	M 4.....	Wahoo
Waybright, John E.....	CA 2.....	Ashland
Waybright, Ralph.....	Eu.....	Ashland
Wear, John William, Jr.....	M 3.....	Omaha
Weatherill, Viola Sarah.....	Au, C.....	Lincoln
Weaver, Doris Adline.....	A 4, T 4.....	Sioux City, Ia.

Name	College and Year	Home Address
Weaver, Edward Myers	A 3	Columbus
Weaver, Ernest Levi	G, Ed, (S)	Wilton, Ia.
Weaver, Louis William, Jr.	E 4	Columbus
Weaver, Myron Brown, Jr.	CA 2	Fairbury
Webber, Glen	E 1	Orleans
Webber, Mabel Roena	CA 4, T 4	Orleans
Weber, Lena	A 1, (S)	Friend
Weber, Vienna	A 1, FA	Pawnee, Ill.
Webster, Calvin	A 1, C	Lincoln
Webster, Maurine Juliet	CA 1	Fairbury
Weddel, Harold Dade	A 1	Arcadia
Weeks, Egbert McAlpine	A 1, C	Omaha
Weeks, Ruth Aleen	A 4, T 4	Independence, Mo.
Weese, Gladys	A 1	Lincoln
Weeth, Charles Reed	M 1	Omaha
Weeth, Elizabeth	A 3, (S, Ex.)	Broken Bow
Weeth, Harold Joseph	A 1, (M)	Omaha
Wegner, Ernest Solomon	M 2	Omaha
Wehrs, Lucile Amelia	Au, (S, Ex.)	Milford
Weigand, Guy L.	M 3, (S)	Omaha
Weiland, Walter Franz	E 3	Fremont
Weinard, Frederick Francis	G, (S)	Lincoln
Weinberg, Joseph Alexander	M 2	Council Bluffs, Ia.
Weiner, Karl Stanley	CAu	Lincoln
Weiss, Mary Louise	A 4, (S)	College View
Welch, Alvera Mary	CA 1	Milford
Welch, Ruth Hinman	A 2, T 2	Omaha
Weller, Ruth Wilhelmy	CA 2	Omaha
Wells, Frederick Nichols	A 3	Lincoln
Wells, Herbert Reed	A 2	University Place
Wells, Jessie Muriel	A 1, (M)	Gering
Wells, Teresa Pearl	A 1, (M)	Gering
Welsh, Alice Leah	A 1 FA	Elba
Welsh, Frances Florence	A 2	Elba
Welsh, Fred M.	A 1, C	Seward
Welsh, Genevieve	A 4, T 4	Central City
Wendland, Lewis Carl	A 1	Plymouth
Wenger, Robert	A 2	Lincoln
Wenk, Ray Ernest	A 2, C	Creston
Wenke, Henry George	E 4	Lincoln
Wenstrand, John Frederick	A 3	Wahoo
Werber, Fern Laughlin	A 1, C	Sargent
Werner, Alfred Henry	G	University Place
Werner, Charles August	CA 2, T 2	University Place
Werner, Hugh Burdette	A 4	Hebron
Wertz, Cyril J.	E 4	Richland
Wertz, Leland E.	A 3	Star
Wertz, William Warren	A 1, (S)	Trenton
Wescott, Calla Sybil H.	A 1, FA	Lincoln
Weseen, Maurice Harley	G, (S)	Ames, Ia.
Weseen, Mildred Jennie	A 4, T 4	Oakland
Wessel, Alice	CA 3	Lincoln
Wessel, Arno Loy	A 1, C	Nehawka
West, Gladys Lucile	Au	Nehawka
West, Jewel Edgar	Au, (S)	Mullen

ROSTER OF STUDENTS

603

Name	College and Year	Home Address
West, Parl.	A 1.	Norfolk
Westcott, Melbourne Francis	E 1.	Dunbar
Wester, Eulah Dolores	A 3, (S, Ex.)	Papillion
Westervelt, Edgar Castor	A 2, C.	Lincoln
Westhoff, James	G, Ed, (S)	Lincoln
Weston, Sarah Kent	A 4, T 4.	Beatrice
Westover, Hazel Elizabeth	CA 1.	Lincoln
Westover, Raymond Paschal	M 3.	Rushville
Westover, Sarelda Amelia	Au.	Lincoln
Wetherald, Dorothy	CA 1.	Hebron
Wetherbee, Harlow Frank	Eu.	Beatrice
Weyer, Stephen Morris	M 3.	Ainsworth
Weymuller, Charles Augustus	M 1.	Omaha
Wharton, Hazel	CA 3, (S)	Lincoln
Wheeler, Evalyn Irene	A 1.	Shoshone, Ida.
Whisenand, Grace Helen	CA 2, T 2.	Harvard
Whitaker, Marian Frances	A 2.	Clinton, Mo.
Whitecomb, Roland Burke	L 2.	Winnebago
White, Cecylle Joan	A 1.	York
White, Chesley Frank	G.	Wisner
White, George Leland	E 1.	Sterling, Colo.
White, Grace Marie	CA 1.	Gering
White, Helen Ida	G, A 4, T 4.	Edgemont, S. D.
White, Herbert Thoma	L 2.	Lincoln
White, Ida Louise	A 3, T 3.	Cairo
White, Charles Evans	CAu, (S)	Council Bluffs, Ia.
White, Clara Florence	Au, (S)	Haigler
White, Jennie Hazel	A 3, (S, Ex.)	Haigler
White, Obert Newton	A 1, (M)	Ponca
White, Rawson John	A 3, C.	Omaha
White, Sarah Katherine	A 2.	Papillion
Whitehead, Parker P.	Au, (S)	Red Cloud
Whitfield, Harold Barnard	E 4.	Lincoln
Whitfield, William Russell	CA 3.	Lincoln
Whitford, Bernice June	A 2, T 2.	Arlington
Whitford, Gladys Irene	A 2, T 2.	Arlington
Whitham, Jay Melvin	A 1, C.	Fairfield
Whitham, Roy Herbert	A 1, (M)	Fairfield
Whiting, Myrick James	E 1.	Whiting, Ia.
Whitmore, Alice Marie	A 1, FA.	Litchfield
Whitmore, Frances Elizabeth Willard	A 2, T 2.	Valley
Whitmore, Ruth Irene	A 4, FA.	Valley
Whitmore, Ruth Kathryn	CA 1.	Litchfield
Whitmore, Victor Robert	A 2.	Lincoln
Whittaker, Earl	E 1.	Omaha
Whyman, Lawrence Oliver	A 3.	Omaha
Wickstrum, Parker Marion	L 3.	Lincoln
Widman, Hedwig Gertrude	A 1.	Wahoo
Wiedman, Earl Vernon	M 2.	McCook
Wiedeman, Vedah Clara	Au.	Greenwood
Wiest, Vern Mont.	A 3, T 3.	Swanton
Wiest, Walter Emil	2 P 2.	Shelton
Wiggins, Leslie Benjamin	A 1, C.	Lincoln
Wilburn, John Clifton	E 3.	Hendley
Wilcox, Lucille Helen	A 3, T 3.	North Platte

Name	College and Year	Home Address
Wilcox, Marion Rebecca	A 4, (S)	Lincoln
Wilder, Harold Tremont	CA 2	Central City
Wilderhaber, William Tell	M 4	Plymouth
Wilken, Arnold Albert	A 1	Bruning
Wilkinson, Gladys Bernice	A 4, (S)	Lincoln
Willets, Boyd Stuart	A 2	McCook
Williams, Clifford E.	A 1	North Bend
Williams, Dana Roberts	A 1, C	Albion
Williams, Florence N.	A 1	Ucross, Wyo.
Williams, Harry D.	A 2, T 2	Aberdeen, S. D.
Williams, Henry W.	CA 4	Lincoln
Williams, Hobart Floyd	G	Lincoln
Williams, Hugh Van Duyn	L 3	Lincoln
Williams, Jay Irving	A 1, C	Lincoln
Williams, John William	A 1, C	Fairfield
Williams, Joseph Evan	A 1	Sabetha, Kans.
Williams, Julian Raymond	A 3, (S)	Lincoln
Williams, LeRoy Douglas	A 2, C	Lincoln
Williams, Merrill Everett	A 2, C	Ord
Williams, Paul K.	Au, C	Lincoln
Williams, Philip Turner	A 1	Casey, Ia.
Williams, Rue Edmond	Au, (S)	Guide Rock
Williams, Walter Jackson	A 1	Cedar Bluffs
Williams, Winifred Don	CA 2, T 2, (S)	Lincoln
Williamson, Bessie Belle	G	Galesburg, Ill.
Williamson, Wirt Lee	A 1, (M)	Humboldt
Willis, Guy Alvin	E 1	Shickley
Wilmeth, Elmer Louis	A 2	Lincoln
Wilsey, Donald Albert	E 2	Vesta
Wilson, Allan Marshall	A 1	Stromsburg
Wilson, Alva	G, (S)	Bethany
Wilson, Arthur Phillip	A 3, (Ex.)	Columbus
Wilson, Clara Elizabeth	A 1, (S)	Indianola
Wilson, Earl	A 2	Hastings
Wilson, Evert Charles	A 1, C	Cedar Rapids
Wilson, Frank Alexander	A 1	Lincoln
Wilson, Harry Gonzales	Au, C	Hebron
Wilson, Howard Stebbins	A 4	Lincoln
Wilson, Hugh Claire	A 3	Pawnee City
Wilson, Ira Glade	G, (S, Ex.)	Peru
Wilson, Irma	A 1, (S)	Alma
Wilson, Julia E.	A 1, (S)	Raymond
Wilson, Leslie Arthur	CA 3	Geneva
Wilson, Mabel Agnes	A 1, (S)	Lincoln
Wilson, Margaret Gertrude	A 2	Lincoln
Wilson, Mary Powell	A 3, (S)	Lincoln
Wilson, May Estelle	CAu, (S)	Lincoln
Wilson, Ruth	A 1	Nebraska City
Wilson, William Holloway	A 4, (S)	Raymond
Wiltse, Reginald Brock	A 3	Pender
Wimberly, Lowry Charles	G	Lincoln
Winkfield, Orange Willis	G, (S)	Watona, Okla.
Wing, Henry J.	E 1	Lincoln
Wink, Clara	A 3, T 3	Kearney
Winn, Margaret	A 1, FA	Lexington, Mo.

ROSTER OF STUDENTS

605

Name	College and Year	Home Address
Winquest, Bernard Alfred.....	A 1.....	Holdrege
Winship, Fred C.....	G, Ed, (S).....	Lincoln
Winslow, Clinton Ivan.....	A 3, T 3, (Ex.).....	Beaver City
Winslow, Loraine E.....	A 1, (S).....	Lander, Wyo.
Winsor, Alice Pruella.....	A 1, (S).....	Beaver Crossing
Winter, Alma Minna.....	A 1, (S).....	Norfolk
Winter, Martha Bertha.....	A 4, T 4, (S).....	Norfolk
Winter, Mary Felicia.....	A 1.....	Lincoln
Winter, Wilma.....	A 3, FA.....	University Place
Wirsig, Leonard Arthur.....	Au.....	Taylor
Wirt, Florence Mary.....	A 4, T 4.....	Lincoln
Wirt, Lillian Janette.....	A 4, T 4.....	Lincoln
Wischmeier, Herald Benjamin.....	CA 1.....	Beaver City
Wishart, Joseph Sylvester.....	L 1.....	Chadron
Wisher, Zelma Alice.....	A 1.....	Lincoln
Witham, Ray Everett.....	A 1.....	Bethany
Withey, Paul Edwin.....	CA 2.....	Omaha
Witte, Elmer Fred.....	A 3, C.....	Swanton
Witte, Henry William.....	A 4, C.....	Swanton
Wittie, Ella Cetonia.....	Au, (S).....	Lincoln
Wittwer, Clara Louise.....	CA 2, T 2.....	Lincoln
Wixer, George Daniel.....	E 1.....	Tekamah
Wolf, Albert Emil.....	G.....	Lincoln
Wolfanger, Louis Albert.....	A 3, T 3.....	Lincoln
Wolfe, Irma C.....	A 1, FA.....	Elgin
Wolfe, Vernice Elizabeth.....	A 1.....	McCook
Wolfe, William Luther.....	A 3, (S).....	Lincoln
Wolff, Arthur William.....	E 1.....	Blair
Wolford, Joseph Carl.....	CA 3.....	Lincoln
Wolford, Lulu Pearl.....	CA 4, T 4.....	Lincoln
Wolford, Lulu S.....	Au.....	Lincoln
Wolter, Jeannette Evangeline.....	A 2, T 2.....	Beatrice
Wonder, Charles J.....	M 1.....	Omaha
Wood, Albert Gerard.....	G, (S).....	Greeley
Wood, Bernice Maru.....	A 4.....	Gibbon
Wood, Fannie Lyon.....	CA 2, T 2.....	Lincoln
Wood, Florence Hester.....	A 3, T 3.....	Lincoln
Wood, Harold Burroughs.....	E 4.....	Aurora
Wood, Laura Josephine.....	A 2.....	Hastings
Wood, Leona Marie.....	A 4, T 4.....	Springboro, Pa.
Wood, Wilma Melvina.....	G, (S).....	Lincoln
Woodburn, Florence Mildred.....	G.....	Lincoln
Woodburn, Mary Edith.....	A 4, (S, Ex.).....	Alma
Woodle, Chauncey Robert.....	A 1.....	Northboro, Ia.
Woodruff, Justin Cuffbert.....	A 2.....	Oxford
Woods, Curtis Keith.....	A 2, (M).....	Mason City
Woods, Dorothea Faye.....	CA 1.....	Pawnee City
Woods, Frederick Pace.....	CA 2, C.....	Lincoln
Woods, Harold Harrison.....	A 3, (M).....	Barnston
Woods, Lucille.....	A 1.....	Lincoln
Woods, Lucy Truitt.....	G, (S).....	Lincoln
Woods, Ozro T.....	A 3, (M).....	Lincoln
Woodside, Eva Marvyl.....	A 3, T 3.....	Yuma, Colo.
Woodside, Ralph Clifton.....	A 3, C.....	Sioux City, Ia.
Woodward, Pryor Cort.....	A 1.....	Archer

Name	College and Year	Home Address
Wooldridge, Harold I.	E 3.	Dorchester
Wooster, Margaret.	G, (S)	Silver Creek
Worley, Ivan Harold.	E 3.	Lincoln
Worley, Jay Borland.	A 3, C.	Holyoke, Colo.
Wright, Charles Royer.	CA 2.	Scottsbluff
Wright, Eudora Pearle.	A 1.	Laurel
Wright, Florence W.	A 3, (Ex.)	Tecumseh
Wright, Floyd Eugene.	A 1.	Scottsbluff
Wright, Helen.	Au, (S)	Tecumseh
Wright, John Charles.	L 1, (S)	Lincoln
Wright, Ralph H.	Au, C.	Lincoln
Wright, Mary Elizabeth.	A 2.	Tecumseh
Wunderlich, Zora.	A 1, FA.	Lincoln
Wupper, Irene.	A 2, T 2, (S)	Lincoln
Wupper, Mary Magdalene.	Au, (S)	Lincoln
Wyckoff, Edgar Sherman.	A 2, (Ex.)	Lincoln
Wygant, Roland Lewis.	E 1.	Denison, Ia.
Wyman, Marion Marie.	A 2.	Lincoln
Wythers, Ivy I.	CA 2, T 2.	Geneva
Xavier, Sister Mary.	Au.	Lincoln
Yale, Donald Lewis.	L 2.	Lincoln
Yang, Keung Mook.	A 4.	Seoul, Korea
Yantz, Bessie Florence.	Au.	Daykin
Yantz, Vaughn Ulysses.	E 2.	York
Yates, Earl Jarvis.	CA 1.	Bradshaw
Yboa, Santiago A.	Lu.	Philippine Islands
Yeiser, John O., Jr.	Au.	Omaha
Yenne, Herbert Austin.	A 1, FA.	Fort Morgan, Colo.
Yoder, Carleton Byron.	A 4, (M, S)	Wymore
Yoder, Elizabeth R.	A 1.	Wymore
Yoder, Lillian Alonzo.	G, Ed, (S)	Omaha
Yort, Arthur Albert.	A 1.	Falls City
Yoshida, Yoshimatsu.	A 2.	Japan
Yost, Howard.	A 1.	Red Cloud
Young, Arthur Farley.	A 1.	Lincoln
Young, Cleo Cather.	A 3, FA.	Lincoln
Young, Edward Franklin.	A 2, C.	Lincoln
Young, Floyd Americus.	A 1.	Norfolk
Young, Harlow William.	A 2, C.	Milford
Young, Helen Lucile.	A 3, T 3.	Lincoln
Young, James Grover.	A 3.	Lincoln
Young, Joseph Parker.	A 1.	Kenesaw
Youngers, Nellie.	A 4, T 4.	Geneva
Youngman, Elmer Julius.	CA 2.	Valley
Youngman, Roy M.	Au, (S)	Valley
Youngson, May Agnes.	CA 4, T 4, (S)	Lincoln
Yule, Seneca Bryan.	Au.	Lincoln
Yungblut, Edith Marie.	CA 3.	Lincoln
Zailer, Alexander.	A 2, C.	Culbertson
Zalman, Ernest Fredrick.	A 1.	Lawrence
Zetterman, Harry Leonard.	E 4.	Shickley
Ziegler, Lyle Christian.	E 3.	Beaver Crossing
Ziern, Caroline Gertrude.	A 1.	Grafton
Zillig, Walter Arthur.	CA 1.	Germantown
Zimmerman, Naomi Bertha.	A 2, (M)	Winfield, Ia.

ROSTER OF STUDENTS

607

Name	College and Year	Home Address
Zimmerman, Walter Bechler	A 1	Lincoln
Zollars, Alvah David	E 2	Maywood
Zook, Lester Eugene	A 1, (M)	Lexington
Zrust, Josephine Lucille	A 2, T 2	Clarkson
Zuhlke, August	CA 4	Bancroft
Zulauf, Walter Christian	A 1, (M, S)	Jackson
Zumwalt, Clerin Thurston	G	Crete
Zumwinkel, Otto Herman	L 3	Utica
Zutz, Fred Arthur	A 1, C	Norfolk
Zutz, Karl Ernest	L 1	Norfolk

1916-1917

ROSTER OF STUDENTS IN THE SCHOOLS¹

School of Agriculture, Teachers College High School, Nebraska School of Agriculture
 Embalming Short Course, Mechanical Engineering Short Course, and
 Department of University Extension

ABBREVIATIONS

Letters indicate school and figures indicate years.

SA—School of Agriculture; SAs—School of Agriculture, short course; NSA—Nebraska School of Agriculture, Curtis; THS—Teachers College High School; EX—University Extension; u—unclassified; Me—Embalming short course; MEs—Mechanical Engineering, short course.

Name	School or Department	Home Address
Abbott, Esther	THS	Lincoln
Adams, Harry William	NSA	Curtis
Aden, Frank	SAs	Hazard
Aikman, John M.	SA	University Place
Ailes, Hugh Raymond	SA	University Place
Albers, Mata Hermine	SA	Wisner
Albrecht, Milon Hilmuth	NSA	Orafino
Albrecht, Louis Michael	NSA	Orafino
Alder, F. E.	EX	Prague
Alder, H. E.	EX	Hyannis
Alexander, David M.	SA	Lincoln
Alger, Clements Bismarck	SA	Howells
Allen, James Nelson	SA	Lincoln
Allen, Ralph	SAs	Cozad
Almy, Horace Manchester	SA	Greenwood
Andersen, Harold	NSA	Holdrege
Anderson, A. Emmert	EX	Bourbonnais, Ill.
Anderson, Charles	THS	Lincoln
Anderson, Cornelius	THS	Lincoln
Anderson, Edith Rosalie	SA	Oakland
Anderson, George	THS	Lincoln
Anderson, Harry William	SA	Waverly
Anderson, Marie	THS	Webster Grove, Mo.
Anderson, Martin H.	SA	Lincoln
Anderson, Mary Josephine	EX	Wolbach
Anderson, Orlo	NSA	Holdrege
Anderson, Paul J.	SAs	Wausa
Anderson, Walter	SAs	Weeping Water
Andre, Arlee	NSA	Hendley
Andrews, Bertha	THS	Lincoln
Andrijeski, John Joseph Wm.	NSA	St. Ann
Archer, Frederick Dale	SA	Lincoln

¹ Immediately preceding this roster appear the names of students registered primarily in the colleges. No name appears on more than one roster. For definition of letters in parentheses, see first roster immediately preceding.

ROSTER OF STUDENTS

609

Name	School or Department	Home Address
Armstrong, Clifford	SAs	Greenwood
Armstrong, Ione	NSA	Curtis
Armstrong, Marguerite I.	SA	Farwell
Arner, Frank Ellis	NSA	Crawford
Arnold, Florence E.	NSA	Lamar
Arnold, Walter	THS	Atlantic, Ia.
Arterburn, Wilda	THS	Lincoln
Babcock, Richard	THS	Lincoln
Bailey, Florence Estelle	NSA	Orafino
Bailey, Mary Ethel	SA	Lincoln
Baisinger, Sarah L.	EX	Merna
Baker, Glenn LaFayette	NSA	Moorefield
Baker, Maude Louie	EX	Atlanta
Baker, Ray Daniel	SA	Benedict
Bakewell, Everett Dewey	SA	Stapleton
Ball, Della Omelia	NSA	Curtis
Ball, Ray Oliver	NSA	Curtis
Balster, Verna Beulah	SA	Utica
Bahr, Herman	THS	Germantown
Barbee, H. E.	THS	Hebron
Barelmann, Henry C.	SAs	Wisner
Barnhard, Corinne Amelia	EX	Virginia
Barnes, Dean Delaware	NSA	Wauneta
Barnett, Harold	SA	University Place
Barr, Lindsay	SAs	York
Bartles, Elmer	SAs	Hubbard
Bartz, Earnest Walter	SA	Phillips
Bartz, Minnie Ernestine	SA	Phillips
Baskin, Robert Parvin	NSA	Stapleton
Bauer, John Benjamin	NSA	Curtis
Bauer, Nellie Fern	NSA	Curtis
Bauerle, Otto William	SA	Naponee
Baumgartner, Conrad	THS	Murdock
Beall, Esther Pearl	NSA	Wakonda, S. D.
Beall, Lula	NSA	Curtis
Beattie, Leo	THS	Bethany
Beck, Harry J.	SAs	Minden
Beck, Ida	SA	Minden
Bedient, William E.	SAs	Arberville
Beller, J. R.	EX	Shickley
Bellows, Mrs. M. M.	EX	Waco
Bender, Leslie Roberts	EX	Kenesaw
Bennett, Claude Edward	SA	Fairbury
Bennett, Lee Carpenter	SA	Belgrade
Bennett, Wilbur	SA	Shelby
Bennett, Wilson	SAs	Neligh
Berlin, Reynolds Joseph	SA	Genoa
Berquist, Ida Eleanor	SA	Lincoln
Bethea, Florence E.	SA	Ewing
Betz, Fred	THS	Lincoln
Bever, Etta Alice	SA	Eagle
Bishop, Errett	EX	Eagle
Bishop, Marie	SA	Roca
Blair, Richard	EX	Lincoln
Blessing, Anna	THS	Cheney

Name	School or Department	Home Address
Bloom, Adolph John	SAs	Pender
Bloom, Archie Frederick	SA	Axtell
Bobbio, Merna May	NSA	Curtis
Boberg, Harold	EX	Aurora
Bodyfield, Marcus Andrew	SA	Ericson
Boesiger, Elmer Frederick	SA	Cortland
Bolar, Esther	THS	Raymond
Bolling, Henry William	SA	Central City
Bonaventure, Sr. M.	EX	Spaulding
Booth, Charles Edwin	SA	Central City
Booth, Esther Ann	SA	Sunol
Booth, Francis Guthman	SA	Walton
Booth, William Henry	SA	Central City
Boren, Clifford	SAs	Lushton
Boren, Howard	SAs	Lushton
Borland, Helen	EX	Wray, Colo.
Bornhoeft, Paulus Louis	EX	Tilden
Bosworth, Charles	SAs	Nebraska City
Boulter, Dorothea E.	SA	Lincoln
Bowers, Ford David	MEs	Lincoln
Bowman, Florence	THS	Lincoln
Boydston, George William	SA	Ceresco
Boyer, Haskle Dennis	SA	Mullen
Boyker, Ralph Claud	SA	Lincoln
Brady, Anna Grace	SA	University Place
Brady, Frank Warren	SA	Potter
Bray, Twila Dorothy	NSA	Stockville
Bredenstine, Harry Martin	SAs	Nebraska City
Brinckerhoff, Morris Alonzo	SA	Bassett
Brinkmann, Oscar H.	SA	Arlington
Brix, Loren William	SA	Lyons
Brooks, Mable Alice	NSA	Elwood
Brown, Etta	THS	Lincoln
Brown, Etta Mae	EX	Barnston
Brown, Harold	SAs	Trumbull
Bull, Walter Lewis	SA	Elkhorn
Bunch, Jacob	MEs	Lincoln
Bunnell, Pearl	THS	Denton
Burcham, Hazel	THS	Lincoln
Burcham, Mildred Irene	SA	Lincoln
Burke, Ellena	THS	Lincoln
Burke, Frank	SAs	Palmer
Burleigh, Lillford L.	SA	Friend
Burris, Roy	SA	Elsmere
Burton, Cleo Marie	NSA	Curtis
Burton, Cora Alice	NSA	Curtis
Burton, Lola Ellen	SA	Bartley
Burton, Thelma Irene	NSA	Curtis
Busboom, George	THS, EX	Lincoln
Bush, Harry Gail	SAs	Gresham
Bustard, Evea	THS	Lincoln
Bustard, Hazel R.	EX	Cambridge
Butterfield, Woodford S.	SA	Auburn
Buzzell, Frank D.	SAs	Normal
Calkins, Genevieve	THS	Lincoln

ROSTER OF STUDENTS

611

Name	School or Department	Home Address
Camp, Dean E.	SA	Hampton
Campbell, Beulah Marietta	SA	Memphis
Campbell, J. D.	SAs	Fullerton
Campbell, Robert Franklin	SA	Brule
Cannell, Raymond	THS	Lincoln
Carley, Clarence J.	SAs	Chadron
Carlisle, Maud E.	THS	Emerald
Carlisle, Nettie	THS	Emerald
Carlson, Mabel Bute	EX	Columbus
Carmicheal, John Earl	NSA	Curtis
Carpenter, Louis Valdor	SA	Headquarters
Carper, Charles	SA	Dorchester
Carr, Harvey Butler	NSA	Curtis
Carr, Ruth	THS	Lincoln
Carson, Helen	THS	Lincoln
Cashen, Emmett	SA	Verona, Ill.
Cathcart, May	THS	Cook
Cavers, Robert L. G.	EX	Omaha
Caves, Rachel	THS	Lincoln
Caywood, W. A.	MEs	Lincoln
Chadwick, Leonard Russell	NSA	Stockville
Chadwick, Harold Eastman	NSA	Stockville
Chadwick, Lester	NSA	Lexington
Chaney, Paul	THS	Havelock
Chapman, Evan A.	EX	Sholes
Chappell, Cleo R.	EX	Sutherland
Chesney, Mattie	EX	DeWitt
Cheuvront, Vernon Galley	SA	Bethany
Chilecote, Omer	THS	Lincoln
Christensen, Agnes Matilda	SA	Minden
Claassen, Menno	SA	Beatrice
Clarey, June	THS	Peru
Clark, Agnes	THS	Lincoln
Clark, Hester	THS	Elk Creek
Clark, Kathryn	THS	Lincoln
Clark, Martha	THS	Bethany
Clausen, Hilda Maxine	SA	Nebraska City
Clegg, Helen	THS	Denton
Coad, Mark P.	SA	Omaha
Coburn, Ruth	SA	Phoenix
Cochran, John	THS	Lincoln
Coder, Harold Eastman	NSA	Elwood
Coder, Marjorie Eugene	NSA	Elwood
Coleman, W. H.	EX	Bertrand
Coleman, Wilbur L.	SA	Taylor
Conklin, Mimi Matilda	NSA	Stockville
Conlin, John Joseph	NSA	Bertrand
Conneally, Irene Evelyn	SA	Wallace
Connell, Grace	THS	Lincoln
Consilia, Sr. M.	EX	Cedar Rapids
Cool, Ira	SAs	Broken Bow
Cooley, Hazel Marguerite	SA	Prairie Home
Cooper, Hazel Emma	SA	Imperial
Copeland, Harold	THS	Lincoln
Corby, Robert Stanley	SA	Neligh

Name	School or Department	Home Address
Cornell, Richard	SA	Lincoln
Cornell, Sidney A.	MEs.	University Place
Cowherd, May Elizabeth	NSA	Enders
Cradick, Robert	SAs	Utica
Craft, Lewis	SA	Elk Creek
Craig, Olive	THS	Lincoln
Crain, Ruth Hannah	SA	Mahaska, Kans.
Crandall, Emma Myrle	NSA	Orafino
Crawford, Earl	NSA	Curtis
Crawford, Elmer	NSA	Curtis
Crawford, Pierce David	SA	Lincoln
Creamer, Helen	THS	Greenwood
Crogman, Loretta A.	EX	Carroll
Cropsey, Frank Warner	SA	Lincoln
Crowdell, Susan	THS	Bee
Crump, William D.	MEs.	Lincoln
Culbertson, Horace Dutton	SA	Dakota City
Cull, Duncan Keerly	SA	Oakland
Curry, Lee Byron	SA	Agnew
Cutter, LaVerne Sydney	SA	Coin, Ia.
Cutter, Richard Thomas	SA	Coin, Ia.
Dahlenburg, Richard Martin	NSA	Curtis
Dale, John F.	SAs	Greenwood
Dale, Otis E.	SAs	Waverly
Dance, Harold A.	SAs	Aurora
Daniell, Anna Lowella	EX	Stanton
Dart, Dorothy	THS	Lincoln
Daugherty, Roy	THS	Bethany
Daughters, Milo R.	EX	Corvallis, Ore.
Davidson, Grace	THS	Bennett
Davis, Benjamin E.	SA	Shenandoah, Ia.
Davis, Mabel Alvera	SA	Shenandoah, Ia.
Davis, William Ernest	SA	Shenandoah, Ia.
Davis, Zilpha Elizabeth	SA	Lincoln
Davison, Dorothy	THS	Lincoln
Davison, Esther	THS	Lincoln
Deal, Roy W.	SA	University Place
Dean, Margie	THS	Lincoln
Debenham, Will Robert	NSA	Arapahoe
DeCamp, Georgina Lucile	SA	Lincoln
Dee, Alice	THS	Lincoln
DeMaree, T. I.	SAs	Cambridge
Demel, John F.	EX	Homer
DeMuth, Michael C.	SAs	Bellwood
Dennis, David W.	SAs	Falls City
Densberger, Crystak	THS	West Lincoln
Densberger, Dollie	THS	Malcolm
DeSautelle, N. E.	EX	Rising City
Detwiler, Ralph	SA	Raymond
DeWolf, Emma	EX	Bennet
Dickerson, Artie Alice	SA	Inavale
Dickinson, Ray Henry	SA, SAs	Seward
Dillman, Helen Gould	NSA	Curtis
Dinsdale, Mabel Agnes	SA	Kimball
Ditter, Jacob	SAs	Monroe

ROSTER OF STUDENTS

613

Name	School or Department	Home Address
Dittmer, Grace	THS	Emerald
Dixson, Rawson	THS	Spokane, Wash.
Doehling, Emil Conrad	SA	Surprise
Doering, Emil W. H.	EX	Stamford
Douglas, Alta	SA	Litchfield
Dover, Willard DeWayne	SA	Madison
Doyle, Mildred	THS	Lincoln
Drasky, Sibuse	THS	Linwood
Drishaus, Ernest	EX	Omaha
DuBois, Vern	SAs	Strang
Due, Minnie	THS	Exeter
Duling, Gilbert	THS	Raymond
Duling, Lucile	THS	Almena, Kans.
Dunton, Laurence Sylvester	NSA	Somerset
Durhan, Iva	THS	Lincoln
Dutton, Frank	SAs	Sterling
Dwyer, Sr. M. Bernard	EX	Spalding
Earhart, Elsie Mae	NSA	Moorefield
Easley, Virginia F.	EX	St. Louis, Mo.
Easton, Dora Oneita	NSA	Maywood
Eaton, Mary	THS	Lincoln
Edwards, Lulu	THS	Alexandria
Eisele, Harry	THS	Roca
Eisele, Lynn	THS	Roca
Eisele, Mary	THS	Roca
Elder, Ira C.	SA	Atkinson
Elson, Alma Zenobia	NSA	Curtis
Elson, Nellie Mae	NSA	Curtis
Ely, Roy J. W.	EX	Harrison
Emerson, Lowell	SA	Monroe
England, Earl	THS	Lincoln
English, Rudolph	SA	Pleasanton
Epperson, C. H.	EX	Clay Center
Erb, Edna Katherine	SA	Atkinson
Erickson, Harold	SA	Ericson
Ernst, Anna Margaret	SA	Lincoln
Ernst, Floyd	SAs	Johnson
Ernst, Walter Otto	SA	Lincoln
Ernst, William	SAs	Johnson
Erwin, Robert	SAs	Concord
Estes, Mabel	THS	Tabor, Ia.
Evans, Frank Chester	SA	Shubert
Evans, Pearl Townsend	EX	David City
Everett, Cora	THS	Lincoln
Everett, Jennie	THS	Lincoln
Everson, Louis W.	SAs	Havelock
Ewart, Ruth	THS	Lincoln
Ewing, Vivian	THS	Harbine
Fairley, J. Leaman	SA	Fairbury
Farrell, J. M.	SAs	Aurora
Faulhaber, Ruby May	SA	Brownlee
Fellows, Oliver	SAs	Sargent
Fender, Nellie	THS	Bennet
Ferrell, Hazel Iona	NSA	Wallace
Fetty, Homer	EX	Red Cloud

Name	School or Department	Home Address
Fifer, William Glenn.....	SA.....	Lincoln
Finch, Romona.....	THS.....	Arborville
Firkins, Leta.....	THS.....	Ord
Fisher, George Edward.....	SA.....	Seward
Fisher, Henry.....	SA.....	Elba
Fitzpatrick, Kathryn.....	THS.....	Raymond
Fitzpatrick, Lillian.....	THS.....	Bethany
Fitzpatrick, Mabel.....	THS.....	Davey
Flack, Erisman Clarence.....	SA.....	Auburn
Flack, George Dewey.....	SA.....	Auburn
Fleischauer, C. W.....	MEs.....	Lincoln
Flippin, Dorothy.....	THS.....	Lincoln
Flood, James Richard.....	SA.....	Traynor, Ia.
Fogelson, Gertrude.....	THS.....	Lincoln
Foght, Margaret Hope.....	THS.....	Washington, D. C.
Ford, Charles Colon.....	NSA.....	Broken Bow
Forsyth, M. W.....	EX.....	Bartley
Fosbury, Eva May.....	EX.....	Exeter
Fraas, Harold Herman.....	SA.....	Lincoln
Fraas, Victor Alfred.....	SA.....	Lincoln
Frampton, William.....	THS.....	Lincoln
Francis, Dorothy May.....	SA.....	Lincoln
Francis, Nellie Frances.....	SA.....	Lincoln
Frederickson, Arthur.....	SAs.....	Spencer
Freeman, A. W.....	MEs.....	Lincoln
Freeman, Lucy Anna.....	NSA.....	Curtis
Freeman, Sylvia Elvira.....	NSA.....	Curtis
Freiday, Perry.....	SAs.....	Lexington
Frescoln, Dewey.....	NSA.....	Smithfield
Fritsch, Lavera Collette.....	NSA.....	Indianola
Fritsch, Maude Marie.....	NSA.....	Indianola
Frosh, Miriam.....	THS.....	Lincoln
Fuchser, Ruth Marie.....	SA.....	Yutan
Fuhr, George John.....	NSA.....	Elsie
Fuhr, Nicholas Andrew.....	NSA.....	Elsie
Funk, Rodney Paul.....	NSA.....	Curtis
Funk, Tony.....	NSA.....	Curtis
Furman, Anson Lee.....	SA.....	Marsland
Gaddis, Ruth Elizabeth.....	SA.....	Comstock
Gafford, Mary Agnes.....	NSA.....	Venango
Gafford, Walter Bertram.....	NSA.....	Venango
Gaibler, George John.....	NSA.....	Eustis
Gardner, Erwin Ensign.....	NSA.....	Curtis
Geary, George Haddin.....	SA.....	Inman
Geeting, Elizabeth.....	THS.....	Lincoln
Gehm, William.....	SAs.....	Nebraska City
Geise, Simon Elvin.....	SA.....	University Place
Gentry, Annie Susan.....	EX.....	Lincoln
Gentry, Mary.....	THS.....	Lincoln
Gerdes, George Christopher.....	NSA.....	Alliance
Gertsch, Calvin Theophil.....	SA.....	Platte Center
Giel, Gladys.....	THS.....	Elk Creek
Giles, Edna.....	THS.....	Lincoln
Giles, Irene.....	THS.....	Lincoln
Given, Emma.....	SA.....	Lincoln

ROSTER OF STUDENTS

615

Name	School or Department	Home Address
Glassgow, Alice	THS	Lincoln
Glebe, Eveline Emily	THS, SA	Hallam
Goehry, Katherine	THS	Murdock
Gorman, Vee Matheny	EX	Alma
Goss, Elizabeth	THS	Lincoln
Graff, Arthur	SAs	Johnstown
Graff, Pearl Lorene	THS	Hickman
Grandt, John F.	SAs	Hartington
Grassmueck, Ruth	THS	University Place
Greaton, Floyd Jefferson	SA	Bennet
Green, Claude Leslie	SA	Cedar Rapids
Green, Fred	THS	Lincoln
Greenamyre, Irene	EX	Cheney
Grensemen, C. G.	SAs	Cortland
Grosbach, Ralph Dewey	NSA	Wauneta
Groteluschen, Ernest	SAs	Creston
Grunke, Ira Elmer	SA	West Point
Gueldner, Edith	NSA	Curtis
Gustafson, Reuben R.	SAs	Mead
Guthrie, Florence Amy	SA	Lincoln
Guthrie, Robert Russell	SA	Lincoln
Haggerty, Mamie	THS	Lincoln
Hahn, Si Ho	SA	Korea
Hald, Ben Clifford	SA	Lincoln
Hall, Alice Hardy	EX	Neligh
Hall, Beulah Lucille	NSA	Curtis
Hall, Cecil Rhodes	SA	University Place
Hall, Floyd Newton	NSA	Curtis
Hall, Frank	NSA	Curtis
Hall, Howard Lee	NSA	Orafino
Hall, Otis William	SA	Lincoln
Hall, Talitha Cecil	SA	Lincoln
Hallowell, Raymond J.	SA	Palmyra
Hallsman, Elizabeth T.	EX	Chicago, Ill.
Hamersly, Mrs.	EX	Villisca, Ia.
Hamilton, Norma Lucille	NSA	Curtis
Hanapal, Norbert	THS	Spalding
Hancock, Josephine R.	EX	Lincoln
Handel, Rose Mamie	SA	Imperial
Hanna, Thomas Eldon	SA	Lexington
Hansen, Arnold H.	SA	Grand Island
Hansen, Olga Carrie	NSA	Curtis
Hansen, Ralph Peter	SAs	Davey
Hanson, Hilmer	SAs	Harwood
Hanson, L. C.	THS	Weston, Ia.
Hanson, Raymo Elnore	NSA	Curtis
Hanson, Ruth Luella Medora	SA	Ceresco
Hanson, Willard	SAs	Fremont
Hanway, Leona Florence	SA	Lincoln
Harpham, J. V.	SAs	Buffalo, Wyo.
Harpster, W. C.	EX	Central City
Harr, Lillford Burleigh	SA	Ainsworth
Harr, Timothy	SA	Lincoln
Harring, Frieda	THS	Shubert
Harrington, Lewis Allen	SA	Delta, Colo.

Name	School or Department	Home Address
Harris, William Edward	SA	Pueblo, Colo.
Hart, Lane	NSA	Cozad
Hart, Miles Gilbert	NSA	Cozad
Hartmann, Edward	SAs	Amherst
Hartmann, Walter	SAs	Amherst
Hartzell, Ruth	THS	Lincoln
Harvey, Kenneth	NSA	Wauneta
Hasebrook, Mary	SA	Holstein
Haskell, Daniela Mary	SA	Arnold
Haskell, Minnie	SA	Arnold
Haskins, C. Eugene	SA	University Place
Haumont, Loren Lewis	SA	Round Valley
Havelka, R. F.	EX	Wolbach
Havlicek, Lumir	SA	Crete
Hayes, Jerome	SA	Albion
Hayman, E. C.	EX	Lincoln
Hecht, Floyd Orchard	NSA	Curtis
Heckleman, Bennett Frederick	NSA	Curtis
Heckleman, John	NSA	Curtis
Heckleman, Louise Eustina	NSA	Curtis
Heckman, John	THS	Friend
Hedden, Merritt Minor	SA	Shickley
Heebner, Clarence Ralph	SA	Union
Heelan, Philip John	SA	Arabia
Heers, Albert	THS	Bee
Heidbreder, Clara Margaret	SA	Utica
Heim, Melvin	SAs	Dawson
Heineman, August	SAs	Pender
Hellweg, Dietrick	THS	Lincoln
Henderson, Gladys	THS	Shubert
Henrichs, William M.	SA	Diller
Hernance, Maude	THS	Raymond
Herrick, George	SA	Waterbury
Hesseltine, Elizabeth	EX	Peru
Hetrick, C. S.	EX	Potter
Hetrick, Hattie King	EX	Potter
Heuermann, John H.	SAs	Pender
Hewitt, Lawrence W.	THS, EX	Bristow
Heyne, Arthur	SAs	Hooper
Higgins, Dean	SA	Stella
Higgins, Jennings Bryan	SA	Maxwell
Higgins, Julia Starr	SA	Beatrice
Hill, Elizabeth	THS	Lincoln
Hinton, Myrtle	NSA	Stockville
Hoagland, William Weller	SA	Swan
Hoig, Bernice Evelyn	SA	Lincoln
Holway, Belle	EX	Grant
Holbrook, Alice Pearl	SA	Orchard
Holcomb, Charles Fisher	SA	College View
Holling, Ernest C.	SAs	Millard
Holmquist, Roy	SAs	Wausa
Holz, Mildred	THS	Lincoln
Hoobler, Hazel Jeanne	SA	University Place
Hoot, Wayne	THS	Bethany
Hoppe, Elmer August	SA	Lincoln

ROSTER OF STUDENTS

617

Name	School or Department	Home Address
Hoppler, Ella.....	THS.....	Lincoln
Horacek, Esther Olive.....	SA.....	Belgrade
Horacek, John Edward.....	SA.....	Belgrade
Horney, James Harold.....	SA.....	Tobias
Horrocks, Jeffrey B.....	SAs.....	Falls City
Hoy, Raymond.....	THS.....	Lincoln
Hoydar, Albert L.....	SA.....	Fairfield
Hudson, George Lawrence.....	SA.....	Stapleton
Hudson, Maude Mae.....	SA.....	Roca
Hueneke, Albert.....	SAs.....	Chapman
Hueneke, Louis.....	SAs.....	Chapman
Huffman, William.....	SAs.....	Alvo
Hull, Adelaide Deity.....	EX.....	Wisner
Hull, Fred Henry.....	SA.....	Big Cabin, Okla.
Humann, Clara.....	SA.....	Cheney
Humphrey, Ethel May.....	NSA.....	Enders
Humphries, Earle Everett.....	SA.....	Lincoln
Hunt, Leon O.....	SAs.....	Crab Orchard
Hunt, Mamie Elizabeth.....	EX.....	Tecumseh
Hunter, Hobart Harry.....	SA.....	Wakefield
Hutto, Walter Howard.....	SA.....	Neligh
Hyers, Martha.....	THS.....	Lincoln
Ingham, Leroy.....	SAs.....	Lyons
Ingold, Amelia Esther.....	SA.....	Milford
Ireland, Clifford J.....	EX.....	Yutan
Jackson, Kent Thomas.....	SA.....	Purdum
Jacobs, Arlingron Brazil C.....	EX.....	Tekamah
Jacobsen, Fred.....	SAs.....	Hubbard
Jacoby, Henry Franklin.....	SA.....	Havelock
Jacoby, Julia Lavinia.....	SA.....	Havelock
Jacoby, Marjorie Nellie.....	SA.....	Havelock
Jannsen, J. R.....	EX.....	Naper
Janouch, Francis.....	THS.....	Lincoln
Jaques, Mary.....	THS.....	Lincoln
Jarboe, William H.....	SA.....	Lincoln
Jeffers, Lucille.....	THS.....	Moorcraft, Wyo.
Jeffery, Bess Gertrude.....	EX.....	Creston, Ia.
Jensen, Harriet J.....	SA.....	Dannebrog
Jensen, Marie Manilla.....	NSA.....	Curtis
Jensen, Nellie.....	THS.....	Germantown
Jepsen, Mabel Emma.....	NSA.....	Curtis
Jewell, Jesse R.....	THS, EX.....	Lincoln
Jones, Arthur Wesley.....	EX.....	San Francisco, Cal.
Johnson, Earl Laurelle.....	SA.....	Sunol
Johnson, Edward.....	SAs.....	Columbus
Johnson, Emil D.....	SAs.....	Wausa
Johnson, Eunice.....	EX.....	Jamison
Johnson, Gailee.....	THS.....	Aurora
Johnson, George Phillip.....	SA.....	Valparaiso
Johnson, Harry.....	THS.....	University Place
Johnson, Harry.....	SAs.....	Walnut
Johnson, Harry Theodore.....	SA.....	Lincoln
Johnson, Helen.....	THS.....	Lincoln
Johnson, Jordan.....	SAs.....	Havelock
Johnson, Leslie Raymond.....	SA.....	Lyons

Name	School or Department	Home Address
Johnson, Margaret Belle	NSA	Venango
Johnson, Mathilde	THS	Davey
Johnson, Merwin	THS	Stromsburg
Johnson, Minnie Irene	SA	Emerald
Johnson, Raymond	SAs	Wausa
Johnson, Raymond Oscar	SA	Aurora
Johnson, Reuben	SAs	Wausa
Johnson, Russell	SAs	Mead
Johnson, Sheldon	SA	Valparaiso
Johnson, W. D.	MEs	Lincoln
Johnston, A. S.	EX	McGrew
Jones, J. R.	MEs	Lincoln
Jordan, Bryan W.	SA	Hartington
Judd, Roy	MEs	Lincoln
Judges, James	THS	Lincoln
Kear, Lillian Alice	SA	Lincoln
Kear, Paul Edward	SA	Lincoln
Keene, Louis Ralph	NSA	Curtis
Keeton, Iro M.	THS	Lincoln
Keim, Glenn	SAs	Davenport
Keith, Mona Marie	NSA	Curtis
Kelly, Donald	THS	Lincoln
Kelly, Roy	THS	Lincoln
Kelsey, Duard Frank	SA	Roca
Kenley, Nina	EX	Edgar
Keyes, Karl Leonard	SA	Inman
Killian, Victor	THS	Morse Bluff
Killion, Paul	SAs	Boone
Kilpatrick, C. E.	SAs	Neligh
King, Gladys	THS	Davey
King, Jesse Earl	SA	Shenandoah, Ia.
Kirkpatrick, Esther E.	SA	Phillips
Kirkwood, Grace Margaret	NSA	Curtis
Klein, Edward	THS	Saronville
Kleine, Arvilla Louise	SA	Lincoln
Kleine, Christian Henry	SA	Lincoln
Kline, Kerwood S.	SAs	Herman
Klone, Viola	THS	Lincoln
Knouse, Francis	THS	Lincoln
Koehn, Agnes	THS	Malcolm
Koontz, Joyce Stanley	SA	Lincoln
Koontz, Paul Arthur	SA	Lincoln
Kozler, Annie Elsie	SA	Virginia
Kozler, Mary	SA	Virginia
Kremke, Homer	SA	Jansen
Krenk, Louis	SAs	Ulysses
Krepps, Charles Burton	SA	Lincoln
Krogman, Martha	THS	Lincoln
Krueger, Herman Ervin	SA	Steinauer
Kruse, Harry F.	SAs	Fort Calhoun
Kruse, Hugo	SAs	Fort Calhoun
Kuhne, Frieda	THS	Lincoln
LaBounty, Allen Isaac	NSA	Moorefield
LaBounty, Lloyd Henry	NSA	Moorefield
Lage, Grant	SAs	Fort Calhoun

ROSTER OF STUDENTS

619

Name	School or Department	Home Address
Lambert, Sue C.	EX.	Omaha
Lame, Orrel Hickman.	SA.	Lincoln
Lamprecht, Otto J.	SAs.	Bloomfield
Lancaster, Frank H.	EX.	Howells
Landkamer, Wenzel Frederick.	SAs.	Powell
Lane, Floyd.	NSA.	Orleans
Lanham, Crystabel Roma.	NSA.	Curtis
Larsen, Lillian Eleine.	SA.	Cushing
Larsen, Sarah Elizabeth.	SA.	Cushing
Larson, Howard.	SAs.	Wausa
Larson, John Sanders.	NSA.	Curtis
Larson, Reuben.	SA.	Aurora
LaRue, R. B.	EX.	Franklin
Lattin, Lulu M.	EX.	Kenesaw
Lauridsen, Laurids M.	SAs.	Hampton
Lavigne, Peter J.	SAs.	Auburn
Leaming, Harriet Ilona.	SA.	Lincoln
Leavitt, Madge.	THS.	Bethany
Lee, Gertrude.	THS.	Lincoln
Lee, Robert.	THS.	Arcadia
Leifer, Dorothy.	THS.	Lincoln
Lehmkuhl, Arthur Leon.	SA.	Weston
Leinweber, Carl E.	SAs.	Adams
Leitzell, William J.	SA.	Lena, Ill.
Lemon, Ray D.	SAs.	Prairie Home
Leslie, Harold.	THS.	Lincoln
Lewis, Carl Nelson.	SA.	Shubert
Lichtensteiger, Doris.	THS.	Lincoln
Lindburg, Willard.	SA.	Polk
Linn, Frank Willing.	SA.	Kimball
Little, George V.	SAs.	Crab Orchard
Loghry, Florence E.	NSA, (S).	Maywood
Lomax, Vivian Eugene.	SA.	Cawker City, Kans.
Love, Ben.	SA.	Valparaiso
Love, C. Ashton, Jr.	EX.	Seward
Lovejoy, Homer.	SAs.	Inavale
Lovejoy, Laurie Ellsworth.	NSA.	Inavale
Lucas, Charles Everett.	SA.	Shelby
Lucas, Fanny Eleanor.	SA.	Palmyra
Lucas, Richard Irvin.	SA.	Palmyra
Lueschen, Oswald.	SAs.	Creston
Luick, Zelma Esther.	SA.	Dorchester
Luther, Carrie Marie.	SA.	Hooper
Lyden, Benjamin Edward.	SA.	Keene
Lyman, Esther.	THS.	Lincoln
Lynch, Chester.	EX.	Oconto
Lyon, Bruce.	THS.	Grant
McAllister, Eugene James.	SA.	Neligh
McBride, James Erwin.	SA.	Cedar Rapids
McCarthy, Serena Mildred.	SA.	Lincoln
McClellan, Dorothea.	SA.	Arapahoe
McCloud, Lillian.	NSA, (S).	Alma
McConville, Mary Cathryn.	NSA.	Havana
McCormick, Frances.	EX.	Herman
McDonald, Nina Marguerite.	NSA.	Maywood

Name	School or Department	Home Address
McGovern, James	EX	Hubbell
McKinney, Elbert Lewis	EX	Edgar
McLaughlin, Ida	THS	Mitchell
McMahon, Claude E.	SA	Blue Hill
McMahon, Vesta	THS	Davey
McMillan, Harold	THS	Hummerwell, Mo.
McMillan, John Gifford	EX	Holdrege
McNeill, Gladys Elizabeth	SA	Lincoln
McNickols, Genevieve	EX	Atkinson
McPherson, Roy	MEs	Lincoln
McWilliams, Elva	THS	College View
Maahs, Ella	THS	Walton
Maahs, Herman	SAs	Bee
Magnuson, Clara Marie	SA	Mead
Magnuson, DeEite	THS	Loomis
Magnuson, Ethel Threse	SA	Mead
Magnuson, Gladys	THS	Loomis
Magnuson, Kelly	SAs	Wausa
Mahannah, Eulalia Sophia	SA	Bethany
Mallalieu, Elizabeth	EX	Lincoln
Mammen, Oscar Dewey	SA	McClelland, Ia.
Mann, Ellen	THS	Malcolm
Manzer, James	SAs	Pierce
Marjorie, Sr. M.	EX	Spalding
Mast, William Floyd	NSA	Moorefield
Mathis, Ernest	SAs	Clinton
Mathis, Minnie Dorothy	SA	Gordan
Matson, Willard F.	SA	Monroe
Matthews, Glen W.	SAs	Lincoln
Matuschka, Thekla	THS	Plymouth
Mayer, Albert	SA	Havelock
Maylott, Carl L.	SA, SAs	Neligh
Mead, John Hogoborn	SA	Litchfield
Megee, Clara	THS	Lincoln
Meinen, Emily	THS	Gilead
Meinzer, Lillie Annie	EX	Pine Bluffs, Wyo.
Melotz, Paul	SAs	Florence
Mentzler, Perry Melvin	SA	Lincoln
Merrell, Mary Angeline	NSA	Maywood
Merrell, William McKinley	NSA	Maywood
Merrill, Joseph Alfred	EX	Lincoln
Merz, Wendell George	SA	Seneca
Mesropian, Eleanor	THS	Lincoln
Meyer, John G.	SA	Union
Meyers, Helen	THS	Lincoln
Meyers, Lester William Albert	SA	Wilcox
Meyers, Ruth	THS	Lincoln
Meysenburg, Leo	SAs	Bellwood
Milisen, Charles Max	SA	Council Bluffs, Ia.
Miller, Charles F.	SAs	Denton
Miller, Chris J.	SA	Milford
Miller, Hazel Pearl	SA, THS	Normal
Miller, Marie Helen	SA	Hooper
Miller, Minnie Mary	NSA	Rain
Miller, Peter, Jr.	SAs	Weeping Water

ROSTER OF STUDENTS

621

Name	School or Department	Home Address
Miller, Ralph Jack.....	NSA.....	Orafino
Miller, Robert.....	SA.....	Nebraska City
Mills, Alice.....	EX.....	Osceola
Mills, Esther.....	THS.....	Burnham
Mills, Herbert Morphut.....	SA.....	College View
Miltenerberger, Lorena.....	THS.....	Albia, Ia.
Mitchell, Russell.....	THS.....	Lincoln
Mock, Alma Hattie.....	NSA.....	Stockville
Mockett, Harriett.....	THS.....	Lincoln
Mockett, Philip.....	THS.....	Lincoln
Moeller, Hans.....	SAs.....	Valley
Mohr, William J.....	EX.....	Culbertson
Moline, Harold Marcine.....	SA.....	York
Monk, Helen V.....	SA.....	Bennet
Monk, Vonia Elsie.....	SA.....	Bennet
Montgomery, Susie A.....	SA.....	Elwood
Montress, Mildred May.....	EX.....	Pierce
Moore, Jessie.....	THS.....	Denton
Moore, John William.....	SA.....	Denton
Morgan, Leslie Alvin.....	NSA.....	Hendley
Morgan, Marie.....	THS.....	Sundance, Wyo.
Morris, Genevieve.....	THS, SA.....	Lincoln
Morris, William Allen.....	SA.....	Norfolk
Morrison, Floyd Vinton.....	SA.....	Murtaugh, Ida.
Morse, Jennie C.....	EX.....	Fremont
Mummaw, Howard John.....	EX.....	Sterling
Munderloh, John.....	SAs.....	Bancroft
Muneke, Harriet.....	THS.....	Lincoln
Murray, Clifford M.....	NSA.....	Maywood
Mussetter, Marye De.....	SA.....	Roca
Mussetter, Ruth Grace.....	SA.....	Roca
Myers, W. H.....	EX.....	Blair
Navratil, Lillian.....	THS.....	Loma
Neligh, Charlotte Catherine.....	SA.....	West Point
Nelson, Alva Earnest.....	NSA.....	Curtis
Nelson, Anna.....	THS.....	Lincoln
Nelson, B. Anton.....	SAs.....	Bertrand
Nelson, Carl.....	SA.....	Malcolm
Nelson, Elsie Agnes.....	SA.....	Walnut
Nelson, Harley P.....	SA.....	Walnut
Nelson, Helen Wilhelmina.....	NSA.....	Benkelman
Nelson, Helena Albertina.....	SA.....	Stromsburg
Nelson, Karl David.....	SA.....	Lincoln
Nelson, Metta Blanche.....	SA.....	Walnut
Nelson, Nels Levi.....	EX.....	Shelby
Nelson, Walter Arthur.....	SA.....	Pilger
Nelson, Zelda.....	THS.....	Bennet
Newstrom, Helen Rundina.....	SA.....	Lincoln
Nicholls, Clyde.....	SA.....	York
Nichols, Hazel.....	THS.....	Lincoln
Nicholson, Clyde Gordon.....	SA.....	Omaha
Nicholson, Grace Araminta.....	SA.....	Lincoln
Nicholson, Ruth.....	SA.....	Lincoln
Niehaus, Emil.....	SA.....	McClelland, Ia.
Nissen, Peter J.....	EX.....	Nysted

Name	School or Department	Home Address
Nordgren, Stella	THS	Lincoln
Norris, Glendon	THS	Lincoln
Norton, Gerald E.	SA	Lincoln
Novak, Harry Victor	SA	Morse Bluff
Nye, Anna A.	SA	Avoca
Nye, Josephine Marcella	SA	Avoca
Oberlender, George West	EX	Normal
O'Brien, Mark	THS	Loretta
Ogden, Pearl	THS	Lincoln
Olderog, Henrietta Elizabeth	SA	Gretna
Oligmueller, Herman	SAs	West Point
Ollerman, Frederick W.	SA	Blair
Olson, Edward Herman	SA	Minden
Olson, Oscar E.	SAs	Funk
O'Niel, Ralph Joe	SA	College View
Orr, Gertrude	EX	Broken Bow
Osborn, Charles Myron	SA	Council Bluffs, Ia.
Osbourn, Carl Eddy	SA	Broken Bow
Osbourn, Lewis Allen	SA	Broken Bow
Osterhoudt, Wendell Glenn	NSA	Stockville
Osterloh, George Karl Emil	SA	Hooper
Otredosky, Vern	EX	Cedar Bluffs
Otteman, Herman J.	SAs	Hooper
Otteman, Walter	SAs	Hooper
Otto, Emma	THS	Lincoln
Overman, Thelma	SA	Bennet
Papke, Hans	THS	Columbus
Parker, Celia	EX	Blue Hill
Parks, Sam Dudley	SA	Lincoln
Parmenter, Harold Orville	SA	Walton
Parr, Howard Leo	SA	Ruskin
Parrish, Ray Harold	SA	Rulo
Patmore, Paul Deloss	SA	Clearfield, S. D.
Payton, Perce F.	SA	Chadron
Peard, Frank M.	SA	Phillips
Peard, Hazel Mary	SA	Phillips
Pearse, John Earl	SA	Genoa
Pearson, Emil	SAs	Tekamah
Pearson, George Virgil	SA	Brownlee
Pearson, Victor	SAs	Mead
Pechota, Henry	THS	Colome, S. D.
Peck, Mrs. L. W.	THS	Lincoln
Pedersen, Martin	SAs, SA	Cozad
Pedrett, Harry W.	SA	Kimball
Pellikan, Rose M.	THS	Encanto, Cal.
Penn, Dortha Mae	EX	Riverton, Ia.
Penner, Frances Marie	NSA	Eldorado
Perrin, Esther	THS	Roca
Perrin, Mary H.	SAs	Lincoln
Peters, Oswald	SA	Scribner
Peterson, Johannes	SAs	St. Paul
Peterson, Stephanie Bentea	SA	Dannebrog
Peterson, Carl Stewart	SA	Genoa
Peterson, Gilbert L.	SA	Oakland
Peterson, Gordon	SAs	Mead

ROSTER OF STUDENTS

623

Name	School or Department	Home Address
Peterson, Harold	THS	Lincoln
Pettis, Donald Lathrop	SA	Lincoln
Petty, William	SA	Lincoln
Philbin, Edward Owen	SA	Spalding
Philipsen, Henrietta	THS	Hickman
Philipsen, Henry William	SA	Hickman
Phillips, Elizabeth Florence	EX	Henderson, Ia.
Phillips, Harry John	SA	Weeping Water
Phillips, Lloyd Albert	SA	Hay Springs
Phillips, Robert	SAs	Star
Phillips, Roy Arlington	SA	Walthill
Philpot, Irene Viola	SA	Nehawka
Pier, Josephine	SA	Lincoln
Pierce, Archie Myons	SA	Lincoln
Pierce, Arthur Immanuel	SA	Atlanta
Pierce, Frank Elliot	SA	Greenwood
Pierce, Harry	THS	Lincoln
Pierce, Harry B.	SA	Atlanta
Pierce, Lydia Jane	SA	Greenwood
Pierce, Netta Pearl	SA	Atlanta
Piersol, Edith	THS	Bethany
Pillard, Raymond Peter	SA	Lincoln
Pitney, George Reuben	NSA	Inavale
Pitney, Lynn L.	SAs	Inavale
Polsky, Elizabeth	THS	Lincoln
Pomeroy, Dean	SA	Allen
Poore, Jay W.	SA	Bee
Poore, Theda M.	SA	Bee
Pope, H. H.	SAs	Lincoln
Posey, Emily Olive	SA	University Place
Pound, Carroll Alfred	SA	Brownlee
Powell, Gladys Mable	NSA	Curtis
Powers, Lois Eelebeth	NSA	Curtis
Pratt, Irvin George	SA	Lincoln
Preston, Inglis	THS	Nassan N. P., Bahama Islands
Preston, Novia Veatch	SA	Oakland
Price, Nellie	NSA, (S)	Curtis
Pursel, Orie Oden	NSA	Curtis
Pyle, Garnette Louella	NSA	Curtis
Pyle, Lois May	NSA	Curtis
Quick, Earl	SAs	Ithaca
Quinby, R. B.	MEs	Lincoln
Raitt, Roy Dickson	SA	Enterprise
Ramels, Olive Sarah	NSA	Elwood
Randolph, Dewey R.	SA	York
Rasmussen, Carrie	SAs	Hubbard
Rasmussen, K. P.	SAs	Washington
Raun, Alfred Dryfus	SA	Upland
Raun, William B.	SAs	Upland
Razee, Beth	NSA	Curtis
Razee, Ilma	NSA, (S)	Curtis
Razee, Ruth Frances	NSA	Curtis
Reed, Thomas Brackett	SA	Havelock
Reed, Walter W.	SA	Palmyra
Reeves, Joe	EX	Douglas

THE UNIVERSITY OF NEBRASKA

Name	School or Department	Home Address
Reeves, Marsellene Averill	SA	Bethany
Reimund, Allyn	THS	Maysville, Mo.
Reinhard, Ella S.	EX	Blair
Reller, Carl Raymond	SA	Princeton
Reynolds, Floyd	THS	Holton, Kans.
Reynolds, Fred	SAs	Kearney
Reynolds, Hazel Frances	SA	University Place
Rice, Laura May	NSA, (S)	Farnam
Rickard, Anna Elizabeth	SA	Cairo
Rickard, Frank Randall	SA	Cairo
Rickard, Ruth Margaret	SA	Cairo
Riddle, Elmer Carlyle	NSA	Bartley
Riley, Hubert Charles	SA	Pierce
Riley, Matilda	THS	Newport
Ring, Joshua Andrew	SA	Cheney
Rivett, Floyd Herbert	SA	Bethany
Roberts, A. Guy	SA	Lewellen
Roberts, John	THS	Bethany
Roberts, Lawrence Gilbert	SA	Arlington
Roberts, Ralph Harold	EX	McGrew
Robertson, John Allen	SA	Joy
Robertson, Samuel Robert	SA	Joy
Rock, Ella	THS	Hyannis
Rohrig, J. H.	SAs	Friend
Rokahr, Mabel Louise	SA	Venus
Rolofson, Wayne West	SA	Lincoln
Roop, Forest Burr	NSA	Danbury
Root, Eulalie Zoe	SA	Lincoln
Root, Ralph Randall	SA	Omaha
Roseberry, Raymond R.	SA	Mullen
Rosencrantz, Inger	EX	Kearney
Rosengren, Orion	SA	Colon
Roth, Herbert Bonham	SA	Lincoln
Rotherman, Ida	THS	Burnham
Rott, David	THS	Streeter, N. D.
Rouse, Dorothy	THS	Lincoln
Rouse, Margretta	THS	Lincoln
Rousey, Hubert	NSA	Alma
Rowe, Richard Franklin	SA	Arcadia
Rowland, John A.	NSA, (S)	Farnam
Rowley, Roy N.	SA	North Platte
Ruegg, Carl Samuel	SA	Palmyra
Ruenholl, August	SAs	Lorton
Ruenholl, Henry	SAs	Lorton
Runyan, Grace E.	EX	Decatur
Runyan, Mabel A.	EX	Decatur
Russell, W. H.	SAs	Fullerton
Rutherford, Richard Burr	EX	Lincoln
Ryan, George	THS	Havelock
Ryons, Ruth	THS	Eagle
Sanders, Earnest	EX	Superior
Sands, Archie Otto	SAs	Loomis
Sandstrom, Amanda Helen	SA	Ceresco
Sandstrom, Andrew	SAs	Ceresco
Sandstrom, Elsie Isabel	SA	Ceresco

ROSTER OF STUDENTS

625

Name	School or Department	Home Address
Sandy, Minna F.....	EX.....	Gretna
Saunders, Marcia Alys.....	NSA, (S).....	Maywood
Saunders, Gladys Eudora.....	NSA, (S).....	Maywood
Savage, Cyrus Sanford.....	SA.....	Spalding
Sawyer, Leuretta Leon.....	NSA.....	Curtis
Saxton, Lewis Albert.....	NSA.....	Crawford
Schahterle, William.....	EX.....	Merna
Schamp, Frank D.....	SA.....	Lincoln
Schamp, Lois.....	SA.....	Lincoln
Schiebel, Loretto Louise.....	EX.....	Florence
Schelkopf, Isaac.....	SAs.....	Shickley
Schlichting, Minnie.....	EX.....	Cedar Bluffs
Schmidt, Agnes.....	THS.....	Emerald
Schmidt, Winifred Arvilla.....	THS, SA.....	Emerald
Schoenleber, William Bryan.....	SA.....	Bethany
Schroeder, Margaret Sophie.....	SA.....	Greenwood
Schultz, Arnold Louie.....	SA.....	Lincoln
Schultz, A .T.....	THS.....	Hampton
Schultze, W. A.....	SAs.....	Stanton
Schumacher, Homer Leslie.....	SA.....	Lincoln
Schutte, George.....	SAs.....	Pender
Schweers, Adolph.....	SA.....	Pender
Schweers, Anna Gesima.....	SA.....	Pender
Scott, James Avery.....	SA.....	Anselmo
Scott, Helen.....	EX.....	Stromsburg
Scribner, Elizabeth.....	THS.....	Lincoln
Seully, Mathew.....	MEs.....	Lincoln
Schafer, Myrtle.....	THS.....	Malcolm
Shafer, Jeanette.....	THS.....	Lincoln
Shafer, Lottie.....	THS.....	Lincoln
Shafto, Rollin Everett.....	SA.....	Bridgeport
Shaw, Donald.....	THS.....	Stockville
Shea, Alta.....	THS.....	Raymond
Sheehan, William.....	SAs.....	Grand Island
Sherman, Laura.....	THS.....	Lincoln
Sherry, S. Toledo.....	EX.....	Winnebago
Shields, Roscoe.....	THS.....	Bethany
Shipp, Ralph Danforth.....	NSA.....	Hay Spirngs
Shores, Torrence Tate.....	SA.....	Utica
Shramek, Irene.....	THS.....	David City
Shramek, John.....	THS.....	Havelock
Shubert, Guy Allen.....	SA.....	Shubert
Shull, Keturah Maratha.....	NSA.....	Curtis
Sibert, Bernard O.....	SAs.....	Grand Island
Siel, Milo Alexis.....	SA.....	Riverton
Sigler, Thelma Katherine.....	SA.....	Lincoln
Sinclair, Charles Loran.....	NSA.....	Curtis
Sine, James.....	THS.....	Lincoln
Simon, Charles.....	THS.....	Lincoln
Simon, Mabel.....	THS.....	Gretna
Simonsen, Ralph Edgar.....	SA.....	Danbury
Sindt, Ben.....	SA.....	Naponee
Smith, Annetta Grace.....	NSA.....	Cambridge
Smith, Bess.....	SA.....	Cushing
Smith, Gertrude Ann.....	NSA.....	Curtis

Name	School or Department	Home Address
Smith, Ralph W. E.	NSA	Lamar
Smith, William	SAs	Wymore
Snapp, Vera Floda	SA	Belleville, Kans.
Snapp, Vernon Jeffreys	SA	Belleville, Kans.
Snocker, Frank	SA	University Place
Snodgrass, O. A.	SAs	Neligh
Soderberg, Helesine	THS	Lincoln
Sorensen, John	SA	Opportunity
Sorensen, Verner Ernest	SA	Dannebrog
Sorlie, Ida Christine	SA	Hayward
Southworth, Barbara Louise	SA	Lincoln
Spadi, Oscar	SAs	Havelock
Spangler, Clifford	THS	Lincoln
Spath, Ray L.	SA	Scribner
Spencer, Anna Irene	NSA, (S)	Maywood
Spray, Bessie Ola	NSA	Curtis
Stahl, Herman	SA	Beaver Crossing
Stark, Merle Fred	NSA	Eustis
Starkebaum, Edward	SA	Sterling
Starrett, Walter Maynard	SA	Lincoln
Stayner, Faye	EX	McCook
Stech, Ada Anna	THS	Milligan
Steffen, Leonora Caroline	SA	Waco
Steinhoff, Roy Franklin	SA	Comstock
Stelk, Detlef	SAs	Grand Island
Stephenson, B. Z.	SAs	Raymond
Steward, Edith Agnes	EX	Tecumseh
Stiffensmeyer, Anna	THS	Lincoln
Stilgebouwer, Neta Agnes	SA	Marion
Stilson, Henry L.	EX	York
Stockdale, W. T.	EX	Chadron
Stockfeld, Mary	THS	Lincoln
Stoddard, Hugh Pettit	SA	Auburn
Stoll, Hazel Iver	NSA	Curtis
Storey, Vernon Madeline	EX	Red Cloud
Streitz, Gustave Adolphus	SA	Millard
Streje, Caroline	SA	Greenwood
Stroy, Claire	THS	Murdock
Stroy, Herbert	THS	Murdock
Stubbs, Bernice	SA	Lincoln
Stubbs, Downey Augustus	SA	Lincoln
Stubbs, Hazel Jeanette	SA	Lincoln
Stuckey, Marguerite Mary C.	SA	Belmont
Stumph, Blanche Emma	SA	Whitney
Stumph, Paul L.	SA	Whitney
Sturgess, Ernest Willis	SA	Sioux City
Sturmer, Hermine	THS, EX	Jansen
Sugrue, Mabel	THS	Shickley
Sullivan, Alma	EX	Broken Bow
Sullivan, Edward	THS	Lincoln
Sullivan, Thomas	THS	Lincoln
Swallow, Floyd	THS, EX	Lincoln
Swan, Gladys H.	THS	Halglar
Swenson, John F.	SA	Lincoln
Swigart, Leslie	SAs	Nora

ROSTER OF STUDENTS

627

Name	School or Department	Home Address
Swiggart, Ruth	THS	Roca
Tanner, Clarence	SA	Bethany
Taubenheim, Gust, Jr.	SAs	Amherst
Tawney, Morris Elmer	SA	Osmond
Taylor, Carleton	THS	Blair
Taylor, Florence	THS	Lincoln
Taylor, Helen Ardis	NSA	Curtis
Taylor, Neva Lucile	NSA, (S)	Curtis
Teagarden, Marvin	THS	Bethany
Teft, Turner	THS	Lincoln
Texley, Lloyd Allison	SAs	Carroll
Thomas, Alberta	THS	Lincoln
Thomas, Dorothy	THS	Cordova
Thomas, Maurine	SA	Lincoln
Thomas, Sylvia	THS	Shubert
Thompson, Carmi	SA	Stapleton
Thompson, Jennie L.	SA	Atkinson
Thompson, LeRoy George	SA	Atkinson
Thompson, Maude Elaine	SA	Farnum
Thomsen, Alfred	SA	Florence
Thomsen, Margaret	SA	Florence
Thomsen, Thomas A.	SA	Norman
Tipton, Edna Julia	NSA	Curtis
Tolman, Nathaniel Edward	SA	Silver City
Tool, Kenneth Albert	SA	Murdock
Trautman, A. C.	SAs	Palisade
Trine, Ralph Reed	SA	Madison
Trivelpiece, Ree Avair	NSA	Curtis
Troxel, Walter O.	SA	Palisade
Troyer, Robert R.	THS	Lincoln
Turner, Ethyl Jane	NSA	Curtis
Turner, Hazel Belle	NSA	Curtis
Turner, William	SAs	Fairbury
Tyrer, Violet Gertrude	SA	Lincoln
Uehling, Alma Katherine	SA	Uehling
Uland, Ethel	THS	Lincoln
Uland, Shirley	THS	Lincoln
Uldrich, Charles James	SA	Fairmont
Uldrich, Godfrey	SA	Fairmont
Ulmer, Nelson	SAs	Dawson
VanAnda, Frank	SAs	Fremont
VanDuesen, Bess E.	EX	Herman
Versaw, William King	SA	Franklin
Vincent, Harold	SA	Rogers
Vinson, Jesse	SAs	Greenwood
Vollstedt, Herman	THS	Emerald
VonGordon, Helga	EX	Fairfield
Vosburg, Bruce Paul	SA	Granville, Ia.
Vosburg, Edward	SA	Granville, Ia.
Votaw, Bertha May	NSA, (S)	Wellfleet
Votaw, Lillian	THS	Lincoln
Wager, Corinne	THS	Lincoln
Wagner, Corinne Eleanor	SA	Lincoln
Wagner, Ernest Nicholson	SA	Lincoln
Wahlgren, Erwin F.	SAs	Washington

Name	School or Department	Home Address
Wahlgren, Harriet E.	EX.	Washington
Walford, Ruth	THS.	Lincoln
Walker, Ivan	SA.	Greeley
Walsh, Anna Elizabeth	SA.	Lincoln
Walsh, Robert John	SA.	Lincoln
Walter, Frances Mattie	SA.	Lincoln
Walters, Lowell Ernest	SA.	Thurston
Ward, Alfred John	NSA.	Curtis
Ward, Frank Howard	NSA.	Curtis
Ward, Selina Jane	NSA.	Curtis
Warner, William Graham	SA.	Dakota City
Warren, Floyd Keim	SA.	Reynolds
Waters, William	SA.	Lincoln
Watkins, Luetta	NSA.	Venango
Way, Bertha Oleeta	SA.	Elwood
Way, David Wilmeith	SA.	Elk Creek
Wearne, Dewey Bernard	SA.	Catalpa
Weaver, R. E.	SAs.	Neligh
Webb, Ora Lee	SA.	Pender
Webber, George	SAs.	Friend
Webster, Amelia Florence	NSA, (S)	Bertrand
Weeks, Samuel C.	SA, SAs.	Greeley
Weissman, Mary Carline	NSA, (S)	Elwood
Weissman, Nellie	NSA.	Elwood
Welch, Beryl Elsworth	SA.	Lamont
Weller, Anna	THS.	Seward
Weller, Gertrude Marie	SA.	Raymond
Wellett, Elliott A.	EX.	Palisade
Wells, Clarence A.	SA.	Whitwood, S. D.
Wenke, George	SAs.	Hooper
Wertz, Victor Eugene	SA.	Bennet
Westlake, Isabella	THS.	Rokeby
Wettling, Nelson	THS.	Lincoln
Wheeler, Charles Leroy	SA.	Lincoln
Wheeler, Madge Lerue	SA.	Lincoln
Wheeler, LeRoy	NSA.	Elwood
White, Mary	THS.	Bethany
White, Mildred	THS.	Lincoln
Whitmore, Florence Elizabeth	SA.	Litchfield
Whitmore, Herbert Kinsley	SA.	Litchfield
Whitmore, Joe Howard	SA.	Litchfield
Whitmore, Wilbur Elgin	SA.	Litchfield
Whittington, Ruth	THS.	Lincoln
Wibbles, Irene Aleda	SA.	Arcadia
Wickham, James Frederiek	SA.	Lincoln
Widle, Nora	SA.	Waco
Wiedeburg, William Edward	SA.	Lincoln
Wigg, Sadie	THS.	Lincoln
Wiggins, Alta Victoria	NSA.	Lebanon
Wiggins, Mary Pearl	NSA.	Lebanon
Wilberger, Gertrude	THS.	Lincoln
Wilcox, Earl Melville	SA.	Craig
Wilcox, Grace	THS.	Lincoln
Wilcoxon, Elizabeth	SA.	Lincoln
Wileman, W. H.	MEs.	Lincoln

ROSTER OF STUDENTS

629

Name	School or Department	Home Address
Wilke, Esta Inez	EX	Lincoln
Wilkins, Cecil May	NSA	Curtis
Williams, Ashley	THS	Lincoln
Williams, Claude John	SA	Bethany
Williams, Dayton E	EX	Aberdeen, S. D.
Williams, Dwight L	SA	University Place
Williams, George	THS	Chicago, Ill.
Williams, Marvin Putnam	NSA	Curtis
Willsie, Isabella	EX	Clear Lake, S. D.
Wilmeth, Esther	THS	Lincoln
Wilson, Irma	THS	Alma
Wilson, Jaunita	SA	Lincoln
Wilson, Leonard Limbach	SA	Lincoln
Wilson, Lois	THS	Lincoln
Wilson, Rillard Thomas	SA	Lincoln
Winqvist, Carl A	SAs	Laurel
Winslow, Sylvia Eileen	SA	Lincoln
Winston, Charles	SAs	Ponca
Winter, Everett Thompson	SA	University Place
Witham, Willard Hiram	SA	Bethany
Witmer, Forest Roscoe	SA	Lincoln
Witt, Reinhold	SA	Scribner
Wittwer, Helen	SA	Lincoln
Wolford, Sharlet	THS	Lincoln
Wolph, Paul Frederick	SA	Nehawka
Wolvgton, Bessie Roberta	EX	Cambridge, Mass.
Wood, Frank A	SAs	Bancroft
Wood, Nellie	SA	Bennet
Woods, Adafern	SA	Lincoln
Woods, Claude McKinley	SA	Steele City
Worlein, Marguerite May	NSA	Curtis
Wormwood, Jay	EX	Scribner
Worthman, Arthur Beebe	SA	Des Moines, Ia.
Wright, Charles	SAs	Stapleton
Wrightman, George Homer	EX	Shickley
Wunderlich, Frieda	THS	Waco
Wyckoff, Hazel Alpha	NSA, (S)	Farnum
Yeager, Michael Richard	SA	Lincoln
Yeutter, Fred Charles	NSA	Eustis
Yockel, Fred R	MEs	Lincoln
Young, Earl Maddox	SA	Havelock
Young, Lester	SA	Ericson
Zahn, Leonard	SAs	Syracuse
Zahn, Walter	SAs	Syracuse
Zeller, Morris E	SA	Palmer
Ziemann, Norman Paul	SA	Benson
Zieren, Caroline	THS	Grafton
Zimmer, Eleanor	THS	Lincoln
Zimmerman, Edgar Ernest	SA	Martell
Zook, Kathryn	THS	Lincoln

1916-1917

SUMMARY OF STUDENTS IN THE COLLEGES

	Men	Women	Total
The Graduate College.....	189	142	331
The Graduate School of Education.....	55	37	92
The College of Arts and Sciences			
Fourth Year.....	138	176	
Third Year.....	180	221	
Second Year.....	262	264	
First Year.....	555	460	
Unclassified.....	92	236	
	1,227	1,357	2,584
The School of Commerce.....	275	9	284
The School of Fine Arts.....	8	125	133
The Teachers College			
Fourth Year.....	23	123	
Third Year.....	18	137	
Second Year.....	10	131	
	51	391	442
The College of Engineering			
Fourth Year.....	48	....
Third Year.....	66	....
Second Year.....	68	....
First Year.....	136	....
Unclassified.....	28	....
	346	....	346
The College of Agriculture			
Fourth Year.....	51	35	
Third Year.....	65	55	
Second Year.....	68	63	
First Year.....	98	100	
Unclassified.....	28	29	
	310	282	592
The College of Law			
Third Year.....	40	....
Second Year.....	45	1	
First Year.....	74	1	
Unclassified.....	17	....
	176	2	178
The College of Medicine			
(In Omaha)			
Fourth Year.....	17	1	
Third Year.....	27	1	
Second Year.....	39	1	
First Year.....	56	3	
Unclassified.....	3	....
(In Lincoln)			
Second Year, Six-Year Combined Course.....	57	1	
First Year, Six-Year Combined Course.....	64	4	
	263	11	274
The College of Pharmacy			
Fourth Year.....	3	....
Third Year.....	7	3	
Second Year.....	25	....
First Year.....	20	3	
Unclassified.....	7	....
	62	6	68
Grand Total.....	2,962	2,362	5,324
Deduct for Repeated Names.....	529	571	1,100
Total Registration.....	2,433	1,791	4,224

1916-1917

SUMMARY OF STUDENTS IN THE SCHOOLS AND IN THE
DEPARTMENT OF UNIVERSITY EXTENSION

	Men	Women	Total
The School of Agriculture			
Six Months Course.....	324	151	
Deduct ¹	3	.....
	321	151	472
The School of Agriculture (Short Course)			
Six Weeks Course.....	155	2	157
The Nebraska School of Agriculture (Curtis)			
Nine Months Course.....	75	86	161
Mechanical Engineering (Short Course).....	15	.....	15
The Teachers College High School			
Nine Months Course.....	98	189	
Deduct ¹	15	13	
	83	176	259
University Extension			
May 1, 1916, to May 1, 1917.....	164	167	
Deduct ¹	97	104	
	67	63	130
Grand Total.....	716	478	1,194
Deduct for Repeated Names.....	8	5	13
Total Registration.....	708	473	1,181

SUMMARY OF STUDENTS

In Colleges.....	2,433	1,791	4,224
In Schools and University Extension.....	708	473	1,181
GRAND TOTAL OF UNREPEATED NAMES.....	3,141	2,264	5,405

¹The names deducted indicate the students who are registered primarily in one of the Colleges but are also registered in one of the Schools.

INDEX

A

Accredited Schools.....	43, 45
Accredited Teachers (Music).....	146
Administrative Officers.....	8
Admission Requirements.....	39
College of Agriculture.....	82
College of Arts and Sciences.....	114
School of Commerce.....	130
School of Fine Arts.....	147
College of Engineering.....	168
Graduate College.....	195
College of Law.....	211
College of Medicine.....	234
College of Pharmacy.....	283
Teachers College.....	302
Admission to the Bar.....	218
Adult Special Students.....	42, 86, 117, 133, 150, 171, 215, 238, 286
Advanced Standing—	
Undergraduate Colleges.....	42, 86, 116, 132, 150, 170, 302
College of Law.....	214
College of Medicine.....	236
College of Pharmacy.....	285
Advisers.....	92, 118, 172, 302
Aesthetics.....	407
Agricultural Botany (see Plant Pathology and Physiology).....	342
Agricultural Chemistry.....	312
Agricultural Courses.....	312
Agricultural Education.....	382
Agricultural Engineering.....	175, 178, 316
Agricultural Experiment Stations.....	97, 103
Agricultural Extension.....	100, 319
Agriculture, College of.....	73
School of.....	81, 84
Agronomy.....	320
Alphabetical List of Officers and Members of Faculties.....	12
Alphabetical List of Students—	
In the Colleges.....	530
In the Schools and University Extension.....	608
Alpha Kappa Psi.....	59, 140
Alumni Association.....	62, 251
Alumnæ Scholarship.....	59
American History.....	344
American Institute of Electrical Engineers.....	167
American Society of Mechanical Engineers.....	167
Anatomy, Histology and Embryology.....	259
Anatomy.....	258, 487
Animal Husbandry.....	325
Animal Pathology.....	327
Announcements.....	72

Applied Mechanics.....	384
Applied Music.....	412
Architectural Engineering.....	175, 179
Astronomy and Meteorology.....	349
Athletics.....	59
Athletic Board.....	70

B

Bacteriology and Pathology.....	268, 351
Biochemistry.....	260
Biometry.....	436
Blue Print, Engineering.....	61, 167
Board of Regents.....	7
Boards of Control.....	70
Board, Room, Employment.....	61
Bohemian (see Slavonic Language).....	479
Botanical Seminar.....	56, 353
Botanical Survey of Nebraska.....	61
Botany.....	353
Buildings.....	36, 82, 153, 244
Bulletins.....	61, 72, 104, 105, 250
Bureau on Recommendation of Teachers.....	305

C

Calendar of 1917-1918.....	4
Care of the Sick.....	62
Certificates—	
University Professional State.....	305
University Life.....	305
County.....	306
University Teachers.....	304, 308
First Grade State.....	303
Regents' Rules Regarding.....	304
Certification Committee.....	305
In Agriculture.....	91
In Home Economics.....	91
Granted in 1915-1916.....	500
Chemical Journal Club.....	56
Chemical Society.....	56
Chemistry.....	359
Chorus.....	56, 154, 410
Christian Associations.....	56
Civil Engineering.....	176, 181, 387
Civil Service.....	139
Class Elections.....	64
Clinical Advantages.....	246
Clubs and Societies.....	56, 140, 167, 251
Commencement Week.....	6
Commerce, School of.....	127
Committees—	
Of the Board of Regents.....	7
Of the Senate.....	11
Of the Faculties.....	80, 113, 145, 162, 204, 231, 300

Conservation.....	412
Convocation.....	62, 252
Cornhusker.....	61
Correspondence Study.....	49, 491
Courses of Instruction.....	311
College of Agriculture.....	312
College of Arts and Sciences.....	311
School of Commerce.....	136, 311
School of Fine Arts.....	156, 311
College of Engineering.....	177, 311
Graduate College.....	311
College of Law.....	218, 311
College of Medicine.....	255, 258, 311
College of Pharmacy.....	294, 311
Teachers College.....	311
University Extension.....	489
Teachers College Training School.....	306
Credit "Points".....	39
(See also Individual Colleges)	

D

Dairy Husbandry.....	327
Debate (see Rhetoric).....	59, 467
Debating Board.....	70
Debating Club.....	56
Degrees.....	
Bachelor of Arts.....	114, 121, 239
Bachelor of Science.....	81, 89, 238
Bachelor of Laws.....	211, 217
Bachelor of Science in Pharmacy.....	282, 292
Bachelor of Fine Arts.....	155
Pharmaceutical Chemist.....	282, 292
Graduate in Pharmacy.....	291, 292
Doctor of Medicine.....	238, 242
Doctor of Jurisprudence.....	211, 217
Master of Arts.....	195, 198
Master of Laws.....	431
Doctor of Philosophy.....	195, 197
Conferred in 1915-1916.....	500
Delinquency.....	69
Delta Sigma Rho.....	58
Departmental Publications.....	61
Dermatology.....	261
Diploma, Graduate School of Education.....	206
Diploma, Teachers College.....	303
Discipline.....	69
Dismissal.....	69
Domestic Science (see Home Economics).....	90,
95, 336	
Dramatic Club.....	56
Drawing and Painting.....	404

E

Economics and Commerce.....	365
Education Courses.....	308, 373
Education.....	373
Education, Agricultural.....	382

Education, Graduate School of.....	201
Education, Secondary.....	381
Education, Sciences in Secondary.....	379
Educational Administration.....	382
Educational Psychology.....	376
Educational Theory and Practice.....	377
Electrical Engineering.....	176, 182, 389
Elocution.....	156, 407
Embalming and Sanitary Science.....	274
Embryology.....	259
Engineering, College of.....	159
Agricultural.....	175, 178, 316
Architectural.....	175, 179
Civil.....	176, 181, 387
Electrical.....	176, 182, 389
Mechanical.....	176, 183, 389
Applied Mechanics.....	384
Society of.....	167
The Blue Print.....	61, 167
English History.....	394
English Club.....	56
English Language and Literature.....	395
English Seminary.....	56
Entomology.....	331
Entrance Requirements.....	39
Equipment.....	36, 82, 153, 163, 244, 287
European History.....	401
Examinations.....	5, 68
Expenses.....	51
Experimental Station, Agricultural.....	97
Substations.....	103
Staff.....	98
Bulletins.....	104, 105
Expulsion.....	69
Extension Courses.....	49, 491
Extension Service.....	100

F

Faculties—

College of Agriculture.....	74
College of Arts and Sciences.....	108
School of Commerce.....	128
School of Fine Arts.....	144
College of Engineering.....	160
Graduate College.....	190
Graduate School of Education.....	202
College of Law.....	210
College of Medicine.....	228
College of Pharmacy.....	280
Teachers College.....	298
Committees.....	80, 113, 145,
162, 194, 204, 231, 300	
Farm Management.....	334
Fees and Expenses.....	51
(See also Individual Colleges)	
Fellowships and Scholarships.....	57, 199, 253

Fine Arts, School of.....	143
Fine Arts Courses.....	155, 404
French Language.....	476

G

General Agricultural Group.....	90, 93
General Information.....	35
Genito-Urinary Surgery.....	262
Geography and Conservation.....	412
Geology.....	416
Germanic Languages.....	421
German Club.....	56
Glee Club.....	56
Government of the University.....	37
Grades of Scholarship.....	66, 68, 123, 241
Graduate Club.....	56
Graduate College.....	189, 512
Graduate Council.....	194
Graduate Courses.....	311
Graduate School of Education.....	50, 201
Graduate Teachers Diploma.....	50, 206
Greek History and Literature.....	729
Grounds and Buildings.....	2, 3, 36, 82, 153, 244
Gynecology.....	263

H

Herbarium, The University.....	353
High School Manual.....	44, 61
High Schools, Accredited.....	45
Histology and Embryology.....	259, 487
History—	
American.....	344
English.....	394
European.....	401
History and Criticism of Fine Arts.....	406
History of the University.....	37
Home Economics.....	90, 95, 336
Honorable Dismissal.....	69
Honorary Societies.....	57
Honors and Prizes.....	57, 224, 254, 288
Horticulture.....	339
Hospital Appointments.....	249
Hospitals.....	246
Hygiene.....	263

I

Infantry Drill.....	57, 67, 437
Inspection of Secondary Schools.....	44
Insurance.....	140
Internal Medicine.....	264
Italian Language.....	478

J

Journalism.....	123, 471
Jurisprudence and Public Law.....	431

K

Komenian Club.....	56
--------------------	----

L

Laboratories.....	36, 82, 153, 244
Laryngology and Rhinology.....	265
Latin.....	472
Law College.....	209
Leave of Absence.....	68
Libraries.....	10, 71, 224, 251, 287
Literary and Scientific Societies.....	56, 251
Loan Funds.....	59, 175, 253

M

Machine Design.....	384
Major Subjects.....	91, 122, 303
(See also Individual Departments)	
Maps of University Campus.....	2, 3
Mathematics.....	433
Mechanical Engineering.....	176, 183, 389
Medical Dispensary.....	247
Medical Jurisprudence.....	265
Medical Societies.....	251
Medicine, College of.....	227
Mental and Nervous Diseases.....	266
Meteorology.....	349
Methods Courses for Teachers.....	307, 382
Microscope Club.....	56
Military Science and Tactics.....	57, 67, 437
Minor Subjects.....	91, 122, 303
(See also Individual Departments)	
Music.....	56, 158, 410

N

Nebraska Certification Laws.....	305
Nebraska Historical Society.....	345
Nebraskan, The Daily.....	61
Nervous and Mental Diseases.....	266
Notices and Announcements.....	72

O

Obstetrics.....	263, 266
Officers and Members of Faculties.....	8, 12
Ophthalmology and Otology.....	267
Order of the Coif.....	58, 225
Organization and Government of the	
University.....	36, 81, 114, 130, 147,
163, 195, 205, 211, 233, 282, 301	
Orthopedic Surgery.....	268

P

Palladian Society.....	56
Pathology and Bacteriology.....	268
Pediatrics.....	270
Pershing Rifles.....	57
Petitions and Meetings.....	70
Pharmacology.....	270, 456
Pharmacy, College of.....	279
Pharmacy.....	294
Pharmaceutical Society.....	286

Phi Alpha Tau.....	59
Phi Beta Kappa.....	57
Philosophy.....	441
Physical Education.....	67, 447
Physics.....	452
Physics Colloquia.....	56
Physiology.....	271
Physiology and Pharmacology.....	456
Plant Pathology and Physiology.....	342
Political Science and Sociology.....	458
Poultry (see Animal Husbandry).....	326
Practice and Practice Courts.....	222
Professional Requirements for Teachers.....	303
Prizes and Awards thereof—	
Military Drill.....	57
Athletic Trophies.....	57
American Law Book Company Prize.....	225
Bryan, William Jennings.....	57, 225
Callaghan and Company.....	224
Legal Bibliography.....	224
Oratory.....	225
Excellence in Bohemian.....	57
Medical.....	254
Pharmaceutical.....	288
Prohibitions.....	69
Psychology.....	442
Publication Board.....	70
Publications.....	61, 104, 105, 250, 252
Public Health.....	250
Public Law.....	431
Public Speaking (see Rhetoric).....	471

R

Regents, Board of.....	7
Registration.....	43, 66, 87, 117, 134, 151, 171, 196, 215, 240, 286, 302
Religious Organizations.....	55
Reports—Standing.....	68
Requirements for Advanced Degrees.....	197, 198, 205, 217
(See also Individual Departments)	
Requirements for Graduation.....	89, 121, 135, 172, 217, 242, 287, 302
Residence of Men and Women.....	71
Revenue of the University.....	37
Rhetoric.....	467
Romance Languages and Literatures.....	476
Roman History and Literature.....	472
Rooming Regulations.....	71
Roster of Students and Degrees—	
Students, 1916-1917.....	499
Degrees, 1915-1916.....	500
Rules and Regulations Governing Students.....	65

S

Sanskrit.....	430
Scholarships.....	57, 199, 253

Schools—

Agriculture.....	81, 84
Commerce.....	127
Fine Arts.....	143
Sick, The Care of the.....	62
Sigma Xi.....	58
Sigma Delta Chi.....	125
Slavonic Languages and Literatures.....	479
Social Functions.....	70
Societies—	
Literary and Scientific.....	56, 125, 167, 251
Honorary.....	57, 58, 225, 251
Sociology.....	458
Spanish Language.....	478
Special Examinations.....	68
Special Students (see "Adult Special")	
Standing of Students.....	66, 68, 123, 172, 217, 241, 304
State Military Commissions Awarded in	
1915-1916.....	500
State Societies.....	62
Student Council Constitution.....	62
Student Publication Board.....	70
Students, Alphabetical List of.....	530, 608
Students' Handbook.....	61
Students' Mail.....	61
Students' Organizations.....	55, 70, 167
Summary of Students, 1916-1917.....	630, 631
Summer Session.....	38, 49
Surgery.....	272
Suspension.....	69
Swedish Language.....	479

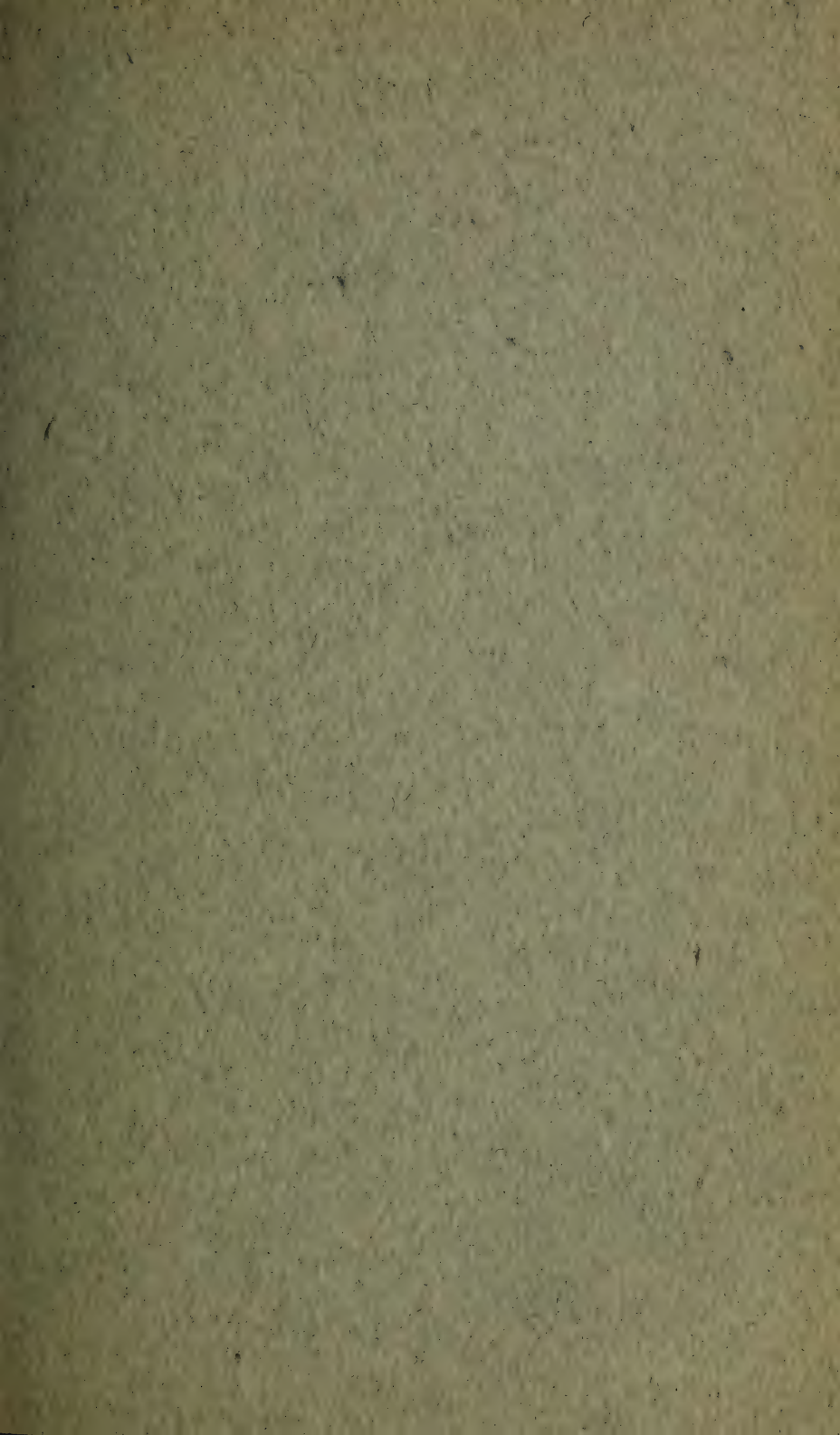
T

Teachers' Bureau.....	305
Teachers' Certificate.....	91, 303, 304
Teachers College.....	297
Teachers College Diploma.....	303
Teachers College High School.....	306
Teachers' Courses.....	307, 308, 311
Tegner Society.....	56
Theory and History of Music.....	411
Therapeutics.....	273
Theta Sigma Phi.....	125

U

Union Society.....	56
University Cafeteria.....	62
University Extension.....	49, 489
University Girls Club.....	56
University Journal.....	61
University Senate.....	11
University Studies, The.....	61
University Year.....	38

V		Workizer Rifles.....	57
Visitors to the University.....	62	Y	
W		Y. M. C. A. and Y. W. C. A.....	56
Weather Bureau, The United States.....	349	Z	
Woman's Pan-Hellenic Medals.....	59	Zoology Club.....	56
Women's Parlors.....	62	Zoology.....	481



Bulletin of The University of Nebraska

FORTY-EIGHTH ANNUAL GENERAL CATALOG

CONTAINING

THE COMPLETE RECORD FOR 1917-1918

ANNOUNCEMENTS FOR 1918-1919



Published by the University in May, 1918. Entered at the Post-Office at Lincoln, Nebraska, as second class matter under Act of Congress, July 16, 1894. The Bulletin of the University of Nebraska is published monthly in February, semi-monthly in March, semi-weekly in April, and monthly in May and November, of each year. One number each is issued by General Information, the General Catalog, the College of Agriculture, the College of Engineering, the Graduate College, including the Graduate School of Education, the College of Law, the College of Medicine, the College of Pharmacy, the Summer Session, and the Schools of Agriculture, Commerce and Fine Arts. A separate catalog of the Arts and Sciences and Teachers Colleges is also published. On request any of these are furnished by the Registrar, Station A, Lincoln, Nebraska.

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STREET

U

ATHLETIC FIELD

CN

STREET

TENH

STR.

CITY CAMPUS

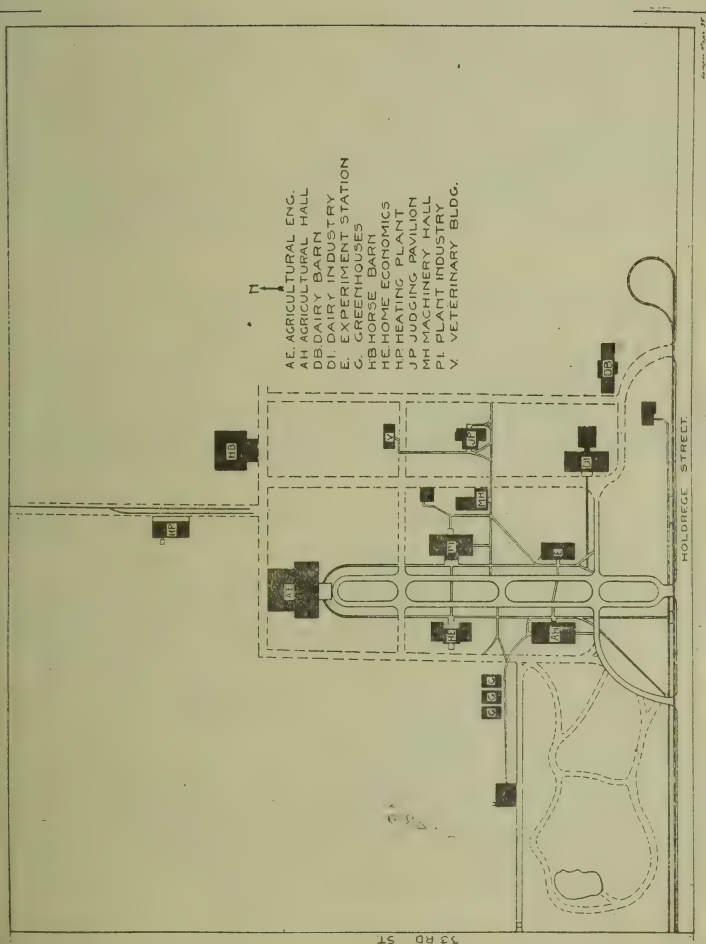
N

- A ADMINISTRATION BLDG.
- B BESSEY HALL
- BH BOILER HOUSE
- BL BRACE LABORATORY
- C CHEMICAL LAB'TY
- CN CHEMICAL LAB. NEW
- G GRANT MEMORIAL HALL
- GH GREEN HOUSES
- LI LAW BUILDING
- LI LIBRARY
- MA MECHANIC ARTS HALL
- ME MECH. ENGINEERING LAB.
- M MUSEUM
- N NEBRASKA HALL
- O OBSERVATORY
- S SOLDIERS MEM. HALL
- T THE TEMPLE
- U UNIVERSITY HALL
- EE ELECTRICAL ENG. LAB
- SS SOCIAL SCIENCE
- TC TEACHERS COLLEGE

FOURTEENTH STREET

R

AE. AGRICULTURAL ENG.
 AH. AGRICULTURAL HALL
 DB. DAIRY BARN
 DI. DAIRY INDUSTRY
 E. EXPERIMENT STATION
 G. GREENHOUSES
 HB. HORSE BARN
 HE. HOME ECONOMICS
 HP. HEATING PLANT
 JP. JUDGING PAVILION
 MH. MACHINERY HALL
 PI. PLANT INDUSTRY
 V. VETERINARY BLDG.



UNIVERSITY FARM CAMPUS

1918

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
Sun.	Mon.	Tu.	Wed.	Th.	Fri.	Sat.	Sun.	Mon.	Tu.	Wed.	Th.	Fri.	Sat.	Sun.	Mon.	Tu.	Wed.	Th.	Fri.	Sat.	Sun.	Mon.	Tu.	Wed.	Th.	Fri.	Sat.
1	2	3	4	5	6	7	6	7	1	2	3	4	5	3	4	5	6	7	1	2	1	2	3	4	5	6	7
8	9	10	11	12	13	14	13	14	8	9	10	11	12	10	11	12	13	14	15	16	8	9	10	11	12	13	14
15	16	17	18	19	20	21	20	21	15	16	17	18	19	17	18	19	20	21	22	23	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	22	23	24	25	26	24	25	26	27	28	29	30	22	23	24	25	26	27	28
29	30						27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

1919

JANUARY													FEBRUARY													MARCH													APRIL																			
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MAY													JUNE													JULY													AUGUST																			
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SEPTEMBER													OCTOBER													NOVEMBER													DECEMBER																			
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			

1918
 Sept. 18-21—Registration, first
 Semester.
 Nov. 28—Thanksgiving holiday.
 Dec. 21-28—Christmas recess.

1919
 Jan. 29-Feb. 1—Registration,
 second semester
 April 2-5—Spring recess.
 May 24-26—Forty-eighth An-
 nual Commencement.

CALENDAR FOR 1918-1919 OF ALL COLLEGES AND SCHOOLS

1918

September 16-21	Monday-Saturday	University entrance examinations.
September 18-21	Wednesday-Sat.	Registration, first semester.
September 21	Saturday, 8 p. m.	University reception to all students.
September 23	Monday	First semester classes begin.
September 24	Tuesday, 11 a. m.	Opening Address, the Chancellor.
October 11	Friday	School of Agriculture, first semester begins.
November 28	Thursday	Thanksgiving holiday.
December 10	Tuesday	Regular Meeting of the Board of Regents (first Tuesday after the first Wednesday in December).
December 21	Saturday, 12 m.	Christmas recess begins.
December 28	Saturday, 12 m.	Christmas recess ends.

1919

January 1	Wednesday	School of Agriculture, winter short course begins.
Jan. 25-Feb. 1	Saturday-Sat.	First semester examinations.
Jan. 25-Feb. 1	Saturday-Sat.	Entrance examinations.
Jan. 29-Feb. 1	Wednesday-Sat.	Registration, second semester.
February 3	Monday	Second semester classes begin.
February 14	Friday, 8 p. m.	Annual Address before the Sigma Xi and Phi Beta Kappa Societies.
February 15	Saturday	Charter Day. Regular meeting of the Board of Regents. Twenty-third Annual Mid-Winter Commencement.
April 2	Wednesday 6 p. m.	Spring recess begins.
April 5	Saturday, 12 m.	Spring recess ends.
April 8	Tuesday	Regular meeting of the Board of Regents (the first Tuesday after the first Wednesday in April).
April 25	Friday	School of Agriculture Commencement.
May 17-24	Saturday-Sat.	Second semester examinations.
May 22	Thursday	Teachers College High School Commencement.

Commencement Week, 1919

May 24	Saturday, 10 a. m.	Final recommendations by faculties for degrees.
May 24	Saturday	Class Day. Alumni Day.
May 24	Saturday evening	Annual Meeting Board of Regents.
May 25	Sunday	Baccalaureate Sermon.
May 26	Monday	Forty-eighth Annual Commencement.
	10 a. m.	Commencement procession.
	10:30 a. m.	Oration and conferring of degrees.

Summer Session, 1919

May 26	Monday	Summer Session begins.
May 30-31	Friday-Saturday	Registration, Summer Session.
July 18	Friday, 8 p. m.	Thirteenth Annual Summer Session Commencement.

1919-1920

September 10	Wednesday	First semester begins (1919-1920).
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THE BOARD OF REGENTS

1918

HON. FRANK LOUIS HALLER.....	Omaha
Term expires January, 1919	
HON. VICTOR GERALD LYFORD.....	Falls City
Term expires January, 1919	
HON. EDWARD PROVOST BROWN.....	Davey
Term expires January, 1921	
HON. JOHN ESCHLEMAN MILLER.....	Lincoln
Term expires January, 1921	
HON. PHILIP LOUIS HALL.....	Lincoln
Term expires January, 1923	
HON. HARRY DEWITT LANDIS.....	Seward
Term expires January, 1923	

OFFICERS OF THE BOARD OF REGENTS

HON. EDWARD PROVOST BROWN, President

JAMES STUART DALES, Secretary

COMMITTEES OF THE BOARD OF REGENTS

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Finance—Messrs. Hall, Haller, Landis.

Property—Messrs. Lyford, Miller, Brown.

Industrial Education—Messrs. Brown, Hall, Landis.

Medical Education—Messrs. Haller, Hall, Lyford.

CHANCELLOR OF THE UNIVERSITY

¹SAMUEL AVERY, Ph. D., LL. D.

ACTING CHANCELLOR OF THE UNIVERSITY

WILLIAM GRANGER HASTINGS, A. B.

¹Absent on leave from February 1 to September 1, 1918, in war service.

ADMINISTRATIVE AND EXECUTIVE OFFICERS OF THE
UNIVERSITY

OFFICE OF THE CHANCELLOR

Administration Hall 101

¹SAMUEL AVERY, Ph. D., LL. D., Chancellor and President of the University Senate.

²ELISHA BENJAMIN ANDREWS, Ph. D., D. D., LL. D., Chancellor Emeritus.

WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.

OFFICE OF THE SECRETARY

Administration Hall 102

JAMES STUART DALES, M. Ph., Secretary of the Board of Regents and of the University Senate. (*With rank of Dean.*)

MAX WESTERMANN, Assistant Secretary of the Board of Regents.

CHARLES RAY WARREN, Acting Chief Clerk.

OFFICE OF THE REGISTRAR

Administration Hall 103

FLORENCE IRWIN MCGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*)

OFFICE OF THE SUPERINTENDENT OF CONSTRUCTION

Administration Hall 208

CHARLES EDMUND CHOWINS, M. E., Superintendent of Buildings, Grounds and Construction.

WILLIAM WARD VOTAW, Assistant Superintendent in charge of Grounds and Buildings.

EVERETT LEE GOLDSMITH, Assistant Superintendent of Construction.

OFFICE OF THE PURCHASING AGENT

Administration Hall 202

HARLAN ALFRED EVANS, Purchasing Agent.

¹Absent on leave from February 1 to September 1, 1918, in war service.

²Deceased.

OFFICE OF THE EXECUTIVE DEAN

Administration Hall 104

CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean.

OFFICE OF THE DEAN OF WOMEN

Administration Hall 205

AMANDA HENRIETTA HEPPNER, A. M., Acting Dean of Women.

OFFICE OF THE HIGH SCHOOL INSPECTOR

Administration Hall 203

ALBERT ALISON REED, A. M., Inspector of Accredited Schools.

ADOLPH MAX VOSS, A. B., Assistant Inspector of Accredited Schools.

OFFICE OF STUDENT ACTIVITIES

Administration Hall B7

TERRY ARTHUR WILLIAMS, Agent for Student Activities.

ALUMNI OFFICE

Administration Hall B6

ANNIS CHAIKIN, A. M., Secretary of the Alumni Association.

THE COLLEGES

LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College.

EDGAR ALBERT BURNETT, D. Sc., Dean of the College of Agriculture.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College.

WILLIAM GRANGER HASTINGS, A. B., Dean of the College of Law.

IRVING SAMUEL CUTTER, M. D., Dean of the College of Medicine (Omaha).

RUFUS ASHLEY LYMAN, A. M., M. D., Dean of the College of Pharmacy.

OLIN JEROME FERGUSON, M. E. E., Acting Dean of the College of Engineering.

CARL CHRISTIAN ENGBERG, Ph. D., Acting Dean of the College of Arts and Sciences.

THE SCHOOLS

- GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Dean of the Graduate School of Education.
- JAMES EDWARD LE ROSSIGNOL, Ph. D., Director of the School of Commerce.
- PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts.
- HARRY ELWYN BRADFORD, A. M., Principal of the School of Agriculture.
- ALLAN PARK DAVIDSON, B. Sc., Superintendent of Nebraska School of Agriculture. (Curtis.)
- CHARLES WILLIAM TAYLOR, A. B., Principal of the Teachers College High School. On leave. Captain in the 339th Machine Gun Battalion.
- ALVAH H. STALEY, A. B., Acting Principal of the Teachers College High School.
- CORA BELLE HILL, A. M., Assistant Principal of Teachers College High School.
- MARY VIRGINIA ZIMMER, A. B., Assistant Principal of the School of Agriculture.

THE LIBRARY

- MALCOLM GLENN WYER, M. L., B. L. S., Librarian.
- NELLIE JANE COMPTON, A. B., Assistant Librarian.
- SOPHIA JOSEPHINE LAMMERS, A. B., Reference Librarian.
- MABELLE BENTON BEATTIE, A. M., Cataloger.

THE MUSEUM

- ERWIN HINCKLEY BARBOUR, Ph. D., Curator of the University Museum.
- CARRIE ADELINE BARBOUR, B. Sc., Assistant Curator of the University Museum.
- THOMAS J. FITZPATRICK, M. Sc., Curator of the Herbarium.

THE GYMNASIUM

- RAYMOND GUSTAVUS CLAPP, Ph. B., M. D., Director of the Men's Gymnasium.
- MARION LUELLE YOUNG, Director of the Women's Gymnasium.
- EDWARD JAMES STEWART, M. D., Director and Manager of Athletics.

THE UNIVERSITY SENATE

OFFICERS

PRESIDENT, SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

ACTING PRESIDENT, WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.

SECRETARY, JAMES STUART DALES, M. Ph., Secretary of the Board of Regents.

MEMBERS

Professors Alexander, Almy, Aylsworth, Barber, Barbour, Barker, Bengtson, Bradford, Brenke, Bridges, Bridgman, Broady, Brownell, Bruner, Burnett, Burr, Caldwell, Candy, Chase, Chatburn, Clapp, Condra, Conklin, Cutter, B. Dales, Dann, Eggers, Engberg, Ferguson, Filley, Fling, Fogg, Fordyce, L. Fossler, Frandsen, Frye, Gain, Gass, Gifford, Gramlich, Grummann, Guenther, Hastings, Heppner (Acting Dean of Women), Hinman, Hopt, G. E. Howard, R. F. Howard, Hrbkova, Jonas, Jones, Kiesselbach, Lees, LeRossignol, Loomis, Loveland, Luckey, Lyman, McGahey (Registrar), Maxey, Moore, Persinger, Plum, Pool, Pound, Poynter, Pugsley, Raymond, Reed, Robbins, Roberts, Seaton, Sherman, C. A. Sjogren, Skinner, Slaymaker, Stewart, Stout, Stuff, Swenk, Swezey, Taylor, Tuckerman, Tuttle, Upson, Vance, Virtue, Waite, Weaver, H. Webster, Whitney, Wilcox, Willard, H. H. Wilson, Wolcott, Wolfe, Wyer. President Avery, Acting President Hastings, Secretary Dales.

STANDING COMMITTEES

Accredited Schools and Admission to Freshman Standing in the Colleges—The Chancellor (chairman), Deans of the Colleges of Agriculture, Arts and Sciences and Engineering, Professors Lees, Reed, The Registrar.

Athletics—Professors Barber (chairman), Caldwell, Clapp, Scott, Stewart, Wolcott.

Convocation Exercises—Professor Grummann (chairman), Mrs. Raymond, The Registrar.

Scholarship—Professors Chatburn (chairman), Engberg (secretary), Conklin, Foster, Frandsen, Frye, Lees, Dean of Women Heppner.

Nominations—The Chancellor (chairman), Professors Barber, Burnett, Hastings, Lees, Sherman.

Publication of University Studies—Professors Wyer (chairman), Sherman, Fling, Frye, Grummann, C. A. Skinner.

Student Organizations and Social Functions—Professors Chatburn (chairman), Tuckerman (auditor), Engberg, Sanford, Dean of Women Heppner, the chairman of the inter-fraternity and inter-sorority councils.

Student Publications—Professors Alexander (chairman), Aylsworth, Bradford, Gass, LeRossignol.

University Extension Courses and Credits—Dean Engberg (chairman), Professors Caldwell, Condra, LeRossignol, Luckey, Pugsley, Reed.

ALPHABETICAL LIST OF ALL OFFICERS OF ADMINISTRATION AND INSTRUCTION

MARKS AND ABBREVIATIONS

Figures in parentheses as (1911, 1910), indicate, respectively, year in which present rank was attained and year of first membership in a faculty of the University.

Letters in parentheses as (AS, E), indicate college faculty or faculties of which the person is a member.

FACULTIES

A=College of Agriculture
AS=College of Arts and Sciences
E=College of Engineering
G=Graduate College

L=College of Law
M=College of Medicine
P=College of Pharmacy
T=Teachers College

OFFICES

Adm=Administration Hall, Campus
A E A=Agricultural Engineering Annex, Farm
Agr H=Agricultural Hall, Farm
B=Brace Laboratory of Physics, Campus
B H=Bessey Hall, Campus
C=Chemistry Hall, Campus
D I=Dairy Industry Hall, Farm
E E=Electrical Engineering Laboratories, Campus
E S=Experiment Station Hall, Farm
G=Grant Memorial Hall, Campus
H E=Home Economics Hall, Farm
Hort H=Horticultural Hall, Farm
J P=Judging Pavilion, Farm

L=Library Hall, Campus
Law=College of Law Building, Campus
M=Mechanic Arts Hall, Campus
M E=Mechanical Engineering Laboratories, Campus
Mach H=Machinery Hall, Farm
Mus=Museum, Campus
N=Nebraska Hall, Campus
P I=Plant Industry Hall, Farm
R E=Rural Economics Hall, Farm
S=Soldiers' Memorial Hall, Campus
T=Temple, Campus
U=University Hall, Campus
Vet=Veterinary Hall, Farm

- ABBOTT, ROSCOE CONKLIN, B. Sc., Assistant in Chemistry, 620 South Thirtieth street.
ADAMS, UNA I., Executive Clerk, Nebraska School of Agriculture, Curtis.
¹ADAMSON, HOWARD, Assistant in Agricultural Extension.
AHRENS, IDA, B. Sc., Instructor in Home Economics (1917, 1917), H. E., 131 Floral Court (A).
ALBERTSON, ORALEE, Stenographer, Agricultural Extension Department.
ALEXANDER, HARTLEY BURR, Ph. D., Professor of Philosophy (1908, 1908), L 110 1835 Ryons street (AS, G).
ALEXIS, JOSEPH EMANUEL ALEXANDER, A. M., Assistant Professor of Scandinavian Languages and Literature (1913, 1910), U 108, 1420 Garfield street (AS).
¹ALFORD, SIMON WAYNE, D. V. S., Associate Professor of Animal Pathology (1917, 1913), 3225 Holdrege street (A).
ALLEN, MATTIE, A. M., Instructor in Primary Education (1912, 1912), 334 North Thirteenth street (T).
ALLEN, WILLIAM J., Sergeant, U. S. Army, Retired, Assistant to Commandant of Cadets, S 204, 2410 T street.
¹ALMY, EMORY FREDERICK, M. Sc., Assistant in Agricultural Chemistry, E S 108, 3221 W street.

¹Resigned.

- ALMY, JOHN EDWIN, Ph. D., Professor of Experimental Physics (1909, 1900), B 116, 2300 A street (AS, E, G).
- ANDERSON, ARTHUR, B. Sc., Instructor in Agronomy (1917, 1917), D I 304, 3270 Starr street (A). On leave. National army.
- ¹ANDERSON, ARTHUR EUGENE, A. B., State Leader in Charge of County Agent Work (Extension) Agr H 302, Y. M. C. A.
- ¹ANDERSON, EDWARD EMIL, B. Sc. in C. E., Assistant Superintendent of Construction, Adm 207, 2903 P street.
- ANDERSON, EMMA NATHALIA, A. M., Assistant Professor of Plant Pathology and Physiology (1917, 1917), P I 304, 1507 R street (A).
- ANDERSON, ILA J., Stenographer in University Extension Department, Adm 203, 829 South Thirteenth street.
- ANDERSON, MARY ANNETTE, A. B., Secretary Accredited Schools, Adm 203, 417 South Fourteenth street.
- ANDERSON, ROSE G., A. B., Assistant in Philosophy.
- ANDERSON, STEN, Engineer and Draftsman, Grounds and Buildings, Adm 207, 3247 Q street.
- ANDERSON, WILLIAM E., B. Sc., Instructor in Chemistry, E S 104, 3323 R street.
- ANDERSON, WILLIAM NANCE, B. Sc., M. D., Instructor in Physical Diagnosis, 3212 Cumming street, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.
- ANDERSON, EZRA, Library Assistant, M 202, 529 North Sixteenth street.
- ¹ANDREWS, LYMAN H., Assistant in Botany.
- APPERSON, CATHERINE LAMASTER, A. B., Assistant Instructor in Romance Languages, U 311, 1615 F street.
- ARENSON, SAUL BRYAN, B. Sc., Graduate Assistant in Chemistry, C, 717 North Twelfth street.
- ASHTON, EVA, Stenographer in Animal Husbandry, J P 103, 3018 Dudley street.
- ASHTON, MARION JOHNSTON, Stenographer in Agricultural Extension.
- ¹ATKINSON, RITA, Library Assistant, 2926 P street.
- ¹AUSTIN, CORA B., Assistant in Purchasing Agent's Office.
- ²AVERY, SAMUEL, Ph. D., LL. D., Chancellor and President of the University Senate (1909, 1901), Adm 101, 2001 Washington street.
- AYLSWORTH, LEON EMMONS, A. M., Professor of Political Science and Sociology (1915, 1902), Law 103, 1850 Harwood street (AS, G).
- BABBITT, ALBERT, A. M., Assistant Professor of Mathematics (1917, 1916), M 306, 828 South Eleventh street (AS).
- BABBITT, SHIRLEY D., A. M., Instructor in Rhetoric (1916, 1916), U 107a, 1528 P street (AS). On leave. American Expeditionary Forces, France.
- ¹BABCOCK, CORA HORTENSE, Adviser to Girls, School of Agriculture (1916, 1916), H E (A).
- BAER, ALVA ALDUS, A. B., Associate Professor of Agricultural Engineering (1918, 1907), Mach H, 1729 Prospect street (A, E).
- BAER, HAZEL, Stenographer in Agricultural Extension.
- BAGLEY, BESSIE, Stenographer in Agricultural Extension.
- ¹BAKER, EDYTH ESTELLE, A. B., Assistant in Botany, N 106, 2025 A street.
- BALCOM, RAYMOND D., Assistant in Anatomy, Omaha.
- BALDWIN, DOROTHY, Instructor in Physical Education (1915, 1915), S 202, 322 South Fourteenth street (AS).
- BALLARD, CARL HARDIN, M. D., Instructor in Dermatology and X-ray Diagnosis, 402 Brandeis Building, Omaha.

¹Resigned.²Absent on leave from February 1 to September 1, 1918, in war service.

- BALSTER, R. W., Assistant Agricultural Agent (Extension), Beatrice.
- BANISTER, JOHN MONROE, A. B., M. D., Assistant Professor of Tropical Medicine, 400 Brandeis Theater Building, Omaha (M). On leave, Colonel in Medical Reserve Corps, United States Army.
- BARBER, BERT, County Agricultural Agent (Extension), North Platte.
- BARBER, GROVE ETTINGER, A. M., Professor of Roman History and Literature (Head of Department of Roman History and Literature) (1906, 1882), U 205, 1320 L street (AS, G).
- BARBOUR, CARRIE ADELINE, B. Sc., Assistant Curator of the Museum and Assistant Professor of Paleontology (1916, 1893), Mus 101, 1501 S street (AS).
- ¹BARBOUR, ERWIN HINCKLEY, Ph. D., Professor of Geology (Head of Department of Geology) (1906, 1891), Curator of University Museum, Mus 201, 1234 R street (AS, G).
- BARKER, FRANKLIN DAVIS, Ph. D., Professor of Medical Zoology and Parasitology (1913, 1903), B H 204, 1819 South Twenty-sixth street (AS, P, G).
- BARRON, C. E., Junior Extension Agent, College View.
- BEACH, ALLEN REED, Chief Clerk, University Farm, Agr H 202, 709 North Thirty-second street.
- BEAMS, ANNA JANE, A. B., Instructor in English and History and Librarian, Curtis.
- BEATTIE, MABELLE BENTON, A. M., Cataloger, University Library, 421 South Fifteenth street.
- ²BEATY, EDNA M., Stenographer in Horticulture, P I 105, 3201 W street.
- ²BEATY, ETHEL, Clerk in Agricultural Botany, P I 304, 3201 W street.
- ²BEATY, EULA, Clerical Assistant in Plant Pathology and Physiology.
- ²BECK, EARL CLIFTON, A. B., Instructor in English Language and Literature and Basketball Coach in High School, L 301, 1437 S street (AS).
- BEERS, GERTRUDE, Instructor in Shorthand in the Teachers College High School, 1050 G street (T).
- BENGTSON, SELS AUGUST, A. M., Professor of Geography and Conservation (1917, 1908), N 108, 1529 South Twenty-fourth street (AS, T, E, A).
- ²BENNETT, ESTHER, A. B., Instructor in Home Economics, Curtis.
- ²BENNETT, MABEL, Nurse on general floor duty, University Hospital, Omaha.
- BENTLEY, RUFUS C., Ph. D., Associate Professor of Education (1918, 1918), U 209 (AS, T).
- ²BEYNON, ABI, A. B., Assistant in Study Room, School of Agriculture, 1121 F street.
- ²BIGGLESTONE, HARRY C., A. B., General Secretary University Y. M. C. A.
- ²BLACK, TANJOR T., Assistant in Irrigation, North Platte.
- BLISS, RODNEY WALDO, B. Sc., M. D., Assistant Professor of Clinical Medicine and Physical Diagnosis, 410 Brandeis Theater Building, Omaha (M).
- ²BLOTZ, GEORGE ARLINGTON, Assistant in Agronomy, 1517 U street.
- BLUMBERG, HENRY, A. B., A. M., Ph. D., Associate Professor of Mathematics (1918, 1913), M 307, 2528 R street (AS).
- ²BLUNK, WALTER C., Assistant Student Activities, Adm B 7.
- BODLEY, ANNA L., Assistant in Secretary's office, 2836 S street.
- BOGLE, RUBY, Library Assistant.
- ²BORROWMAN, GEORGE, Ph. D., Professor of Chemistry (1918, 1905), C 8, 1641 South Twenty-first street (AS, E, P, G).
- BOSTWICK, IRENE, Clerical Assistant University Hospital, 112 North Forty-first street, Omaha.
- BOWEN, IRMA G., Instructor in Home Economics (1917, 1917), H E 306, 1300 Luckey avenue (A).

¹Director of State Geological Survey.

²Resigned.

³Absent on leave.

- BOWKER, LEAH, F. Sc., Instructor in Home Economics, Nebraska School of Agriculture, Curtis.
- BOYCE, HAROLD, Assistant in Mathematics, School of Agriculture, 442 North Twelfth street.
- BOYD, RALPH W., Assistant in Chemistry.
- BRACKETT, ELMER EUGENE, B. Sc. in E. E., Associate Professor of Agricultural Engineering (1916, 1913), Mach H 161, 3220 Starr street (A, E). On leave. First Lieutenant, Aviation Section, Signal Reserve Corps.
- ERADBURY, ORA CLARE, A. M., Assistant in Zoology, N 202a, 3100 T street.
- BRADFORD, HARRY ELWYN, A. M., Professor of Secondary Agricultural Education and Principal of the School of Agriculture (Head of Department of Secondary Agricultural Education) (1912, 1912), Agr H 207, 3259 Starr street (A, T).
- BRANDT, EMELIA, Ph. G., Dispensary Pharmacist, Omaha.
- BRENKE, WILLIAM CHARLES, Ph. D., Professor of Mathematics (1913, 1907), M 305, 1250 South Twenty-first street (AS, E. G).
- BREUER, MILES J., M. D., Lecturer in Physiology.
- BRIDGES, EDSON LOWELL, M. D., Assistant Professor of Clinical Medicine, Omaha (M). On leave. Major in Medical Reserve Corps, United States Army.
- BRIDGES, WILLSON ORTON, M. D., Professor of the Principles and Practice of Medicine and Clinical Medicine, Omaha Club, 24th and Douglas streets, Omaha (M).
- BRIDGMAN, JUDD NOBLE, M. S., Associate Professor of Civil Engineering (Acting Head of Civil Engineering Department) (1917, 1909), M 205, 3227 Starr street (E, G).
- BRITTON, C. M., City Leader (Extension), Fremont.
- BROADY, JEFFERSON H., LL. B., Professor of Law (1916, 1916), Law 206, 1951 Sewell street (L).
- BROCK, HENRIETTA McELROY, Instructor in China Painting (1894, 1894), L 308, Melick Court (AS).
- BROKAW, W. H., County Agent Supervisor (Extension).
- BROOKINGS, A. M., Assistant Taxidermist of Museum, Inland.
- BROWN, MARY-ELLEN, B. Sc., Home Economics Specialist in Junior Extension Work (1917, 1911), 3221 R street (A).
- BROWNELL, HERBERT, B. Sc., Professor of Sciences in Secondary Education (Head of Department of Sciences in Secondary Education) (1910, 1910), T 5, 2434 Q street (T, AS).
- BROWNELL, LOUISE BARKER, A. B., Assistant in Sciences, Teachers College High School, Scholar in Botany, B H 212, 2434 Q street.
- BRUMAN, A. J., Assistant in Plant Pathology and Physiology.
- BRUNER, LAWRENCE, B. Sc., Professor of Entomology and Entomologist of the Experiment Station (Head of Department of Entomology) (1906, 1888), P I 208, 2314 South Seventeenth street (AS, A, G).
- BUCK, PHILO MELVIN, JR., A. M., Professor of Rhetoric (1912, 1910), U 107c, 1325 Pepper avenue (AS, G). On leave. Captain in the Adjutant General's Department, 34th Division.
- BULLOCK, EDNA D., B. L., B. L. S., Assistant, Legislative Reference Bureau, U 306, Thirty-sixth and Y streets.
- BULLOCK, FLORA, A. M., Assistant Professor of English in the School of Agriculture (1914, 1903), Agr H 109, Thirty-sixth and Y streets.
- BULLOCK, THEODORE TUNISON, A. M., Instructor in Economics and Commerce (1916, 1916), U 103, 549 North Twenty-fifth street (AS).
- BUNT, GLADYS, Dietitian, University Hospital, Omaha.

¹Resigned.

²Joint Director of a State Bureau for the Study of Plant Diseases and Destructive Insects in connection with the Experiment Station.

- BUNTING, ALBERT EGGLETON, Assistant Professor of Practical Mechanics (1914, 1907), M E 202, 2045 D street (E).
- BURCHAM, MILDRED, Assistant in Agricultural Extension.
- BURGESS, CHARLOTTE, Superintendent of Nurses, University Hospital, Omaha.
- BURKART, ANNA DRIVER, A. B., Scholar in Philosophy.
- BURNETT, EDGAR ALBERT, B. Sc., D. Sc., Dean of the College of Agriculture, Director of Experiment Station (1909, 1899), Agr H 203, 3256 Holdrege street (A).
- BURR, WILLIAM WESLEY, B. Sc., Professor of Agronomy (Head of Department of Agronomy) (1916, 1916), E S 109, 1629 R street (A, G).
- BUTTERY, HELEN MAY, Assistant in Botany, B H 212, 1204 U street.
- CALDWELL, HOWARD WALTER, A. M., Professor of American History (Head of Department of American History) (1906, 1883), U 210, 1919 E street (AS, G).
- CALLFAS, WILLIAM FREDERICK, C. M., M. D., Clinical Assistant in Ophthalmology (1914, 1914), 563 Brandeis Building, Omaha.
- CALVIN, JOHN WILLARD, B. Sc., Assistant Professor of Agricultural Chemistry and Associate Chemist of the Experiment Station (1914, 1914), E S 103, 3534 Randolph street (A). On leave. Lieutenant, Base Hospital Unit.
- CAMP, E. F., Assistant in Physiology, Omaha.
- CAMP, LENORA, City Leader (Extension), Ashland.
- ¹CAMP, RAY H., County Agent for Thurston County (Extension), Walthill.
- CAMPBELL, J. E., Assistant Agricultural Agent (Extension), Alliance.
- CAMPBELL, W. H., County Agent Supervisor.
- ¹CAMPBELL, WALTER B. P. E., Instructor in Physical Education (1916, 1916), S 304, Y. M. C. A. (AS).
- CANDY, ALBERT LUTHER, Ph. D., Professor of Mathematics (Head of the Department of Mathematics) (1918, 1893), M 301½, 1003 H street (AS, G).
- CANFIELD, SARAH W., A. B., Instructor in Home Economics (1916, 1916), H E, 1619 R street (A).
- ¹CARLSON, KNUTE, A. B., Graduate Assistant in Political Sciences and Sociology, Law 106, 535 North Sixteenth street.
- CARPENTER, C. L., Emergency District Demonstration Agent (Extension), Bassett.
- CARPENTER, RAY W., Instructor in Agricultural Engineering, Agricultural Extension. On leave. Great Lakes Naval Training Station.
- CHAIKIN, ANNIS, A. M., Secretary of the Alumni Association, Adm B 6, University Woman's Building.
- ¹CHAMBERLAIN, MAY, A. M., Assistant Professor of Germanic Languages and Literatures (1914, 1896), U 109, 2730 Q street (AS).
- CHAMBERS, MARIA E., City Leader (Extension), West Point.
- CHASE, LEON WILSON, A. E., Professor of Agricultural Engineering (Head of Department of Agricultural Engineering) (1911, 1904), A E 203, 1245 North Thirty-third street (A, G, E). On leave. Major of Ordnance.
- CHATBURN, GEORGE RICHARD, A. M., C. E., Professor of Applied Mechanics and Machine Design (Head of Department of Applied Mechanics and Machine Design) (1909, 1894), M 101, 2850 P street (E, G).
- CHEUVRONT, MAUD ALICE, Secretary to the Principal, School of Agriculture, Agr H 207, 2740 T street.
- CHOWINS, CHARLES EDMUND, M. E., Superintendent of Buildings, Grounds and Construction (1908, 1887), Adm 203, 1802 Washington street.
- CHOWINS, JOHN MARTIN, Expert Mechanician, B, 2820 T street.
- CHRISTIE, BURTON WHITFORD, B. Sc., M. D., Assistant Professor of Pediatrics, 320 Bee Building, Omaha (M).
- CHRISTOPHERSON, GRACE M., Assistant in Purchasing Agent's office.

¹Resigned.

- ¹CLAAR, CHARLES EDWARD, Assistant in Sciences in Secondary Education, T 5, 331 North Thirteenth street.
- CLAPP, RAYMOND GUSTAVUS, Ph. B., M. D., Professor of Physical Education and Director of Men's Gymnasium (Head of Department of Physical Education) (1912, 1902), G 206, 2017 Washington street (AS, T).
- CLARK, GLAIDETH DENNY, A. B., Assistant Professor in German and History, School of Agriculture (1918, 1908), Agr H 109, 1726 Q Street.
- CLARK, GUY BENNETT, Cost Clerk, Grounds and Buildings, Adm 207, 544 South Twenty-eighth street.
- CLARK, LETTA MAY, A. B., A. M., Assistant Professor of Methods of Instruction in English (1917, 1912), 814 East Sixteenth street, University Place (AS, T).
- CLARK, MARY, Assistant in Purchasing Agent's Office, Adm 201, 3240 W street.
- CLAYBAUGH, JOSEPH HARRISON, B. Sc., County Agricultural Agent (Extension), Agr H 108, 3003 Starr street.
- CLAYBURN, A. BENNETT, Assistant in Sciences in Secondary Education, T, 525 North Fifteenth street.
- ¹CLIFFORD, PAUL F., A. B., Instructor in Romance Languages (1916, 1916), U 304, 442 North Twelfth street (AS).
- COCHRAN, ROY E., A. B., Assistant Professor in English History (1918, 1917), 2610 Vine street (AS).
- ¹COLCORD, FRANK MAYNARD, B. Sc., Assistant in Dairy Husbandry, 3136 Holdrege street.
- COLE, DANA FINLEY, A. M., Instructor in Economics and Commerce, U 103 (1917, 1914), 3115 O street. On leave. 340th Field Artillery.
- COLEMAN, W. H., City Leader (Extension), Crawford.
- COLLETT, C. E., County Leader (Extension), Gothenburg.
- ¹COLMAN, HOWARD NOTSON, A. B., B. Sc. in Agr., Assistant in Dairy Husbandry, D I 201, Y. M. C. A.
- ¹COLPITTS, MARY ALICE, A. M., Instructor in Mathematics (1916, 1916), 606 North Sixteenth street (AS).
- COMPTON, NELLIE JANE, A. B., Assistant Librarian, L, 1736 Cherry street.
- ²CONDRA, GEORGE EVERT, Ph. D., Professor of Geography and Conservation (Head of Department of Geography and Conservation) (1912, 1902), N 105, 1019 South Seventeenth street (AS, T, G, A, E).
- CONKLIN, CLARA, A. M., Professor of Romance Languages and Literatures (Head of Department of Romance Languages and Literatures) (1904, 1892), U 301, University Woman's Building (AS, T, G).
- CONLIN, FRANK MATTHEW, M. D., Instructor in Medicine, Omaha.
- ¹COOPER, JOHN RALPH, B. Sc., Associate Professor of Horticulture (1916, 1912), P I 102, 3270 Starr street (A).
- COPEMAN, KENNETH EDMUND, Mechanic in Mechanical Engineering Laboratory, 2050 S street.
- ¹CORBIN, LEILA FRANCES, Instructor in Home Economics, School of Agriculture, H E 214, 1833 G street.
- ¹CORNELL, CLARE BROWN, Ph. D., Instructor of Cadet Band (1912, 1911), 2450 South Seventeenth street (AS).
- ¹CORNELL, SIDNEY ANDREW, Clerk to Superintendent of Construction.
- CORRICK, LENORE, Stenographer and Clerk, Construction, Grounds and Buildings, Adm 207, 436 South Twenty-ninth street.
- COWAN, JAMES, M. M. E., Superintendent of Experiment Substation, Valentine.
- ¹CRAGO, ALFRED, Fellow in Education.
- CRAIG, AILEEN, Stenographer in Plant Pathology and Physiology.

¹Resigned.²Director of State Conservation and Soil Survey.

- CRANOR, KATHERINE TAYLOR, B. Sc., Assistant Professor of Home Economics (1917, 1917), H E 304, 131 Floral Court (A).
- ¹CRAWFORD, ROBERT PLATT, A. B., Agricultural Editor, Agr H 204, 330 North Thirtieth street.
- CRESSEY, ETHEL FRANCIS, Assistant in Secretary's Office, Adm 102, 2511 B street.
- CROMWELL, RICHARD O., M. S., Fellow in Botany, B H 208, 945 South Fourteenth street.
- CROUSE, DOROTHY, Statistical Clerk, Agricultural Extension.
- CRUMMER, LEROY, B. Sc., M. D., Professor of Clinical Medicine, 16 Continental Block, Omaha (M).
- CURLEY, HAZEL I., Stenographer, Student Activities, Adm B 7.
- CURRY, A. D., Emergency District Demonstration Agent (Extension).
- CURTIS, L. D., County Agent Supervisor, Brunswick.
- CURTISS, RUTH, B. Sc. in H. E., Assistant Professor in Home Economics (1918, 1916), H E 305, 516 North Sixteenth street (A).
- CUTTER, IRVING SAMUEL, B. Sc., M. D., Dean of the College of Medicine and Professor of Biochemistry (Head of Department of Biochemistry) (1915, 1911), 808 North Thirty-ninth street, Omaha (M).
- ¹DALES, BENTON, Ph. D., Professor of Chemistry (Head of Department of Chemistry) (1914, 1903), C, 1140 South Twentieth street (AS, E, F, G).
- DALES, JAMES STUART, M. Ph., Secretary of the Board of Regents and of the University Senate (with rank of Dean), Adm 102, 1743 A street.
- DALY, FRANCIS, Stenographer in Conservation and Soil Survey, N 105, 1246 North Twenty-seventh street.
- DANN, WILLIAM FRANCIS, A. M., Professor of History and Criticism of the Fine Arts (Head of Department of History and Criticism of the Fine Arts) (1914, 1894), L 305, 3037 R street (AS, G, T, E).
- DARBY, WILLIS, Stockkeeper in Chemistry.
- DAVIDSON, ALLAN PARK, B. Sc., Superintendent of Nebraska School of Agriculture, Curtis.
- DAVIS, ALVA RAYMOND, Ph. D., Assistant Professor of Plant Pathology and Physiology (1916, 1916), P I 306, 745 South Twelfth street (A). On leave. Captain, Coast Defense. Ordnance Office.
- DAVIS, BYRON BENNETT, A. B., M. D., Professor of Principles of Surgery and Clinical Surgery, 1502 South Thirty-second avenue, Omaha (M).
- DAVIS, E. H., Emergency District Demonstration Agent (Extension), Greeley.
- ²DAVIS, ELLERY WILLIAMS, Ph. D., Dean of the College of Arts and Sciences and Professor of Mathematics (Head of Department of Mathematics) (1901, 1893), Adm 105, 1345 South Eighteenth street (AS, T, E, G).
- DAVIS, FERN, Stenographer in Agricultural Extension, 1538 North Twenty-fourth street.
- DAVIS, HELEN B., Assistant Chemist of the Experiment Station.
- ¹DAVIS, HELEN LEE, A. B., B. Sc., Assistant Professor of Home Economics (1914, 1911), H E 306, 1411 Luckey avenue (A).
- DAVIS, KATE PAULINE, Home Demonstration Agent, Custer County.
- DAVIS, RUTH W., Postmistress, University Farm, 3116 Holdrege street.
- ²DAVIS, SEARL S., A. B., Assistant Professor of Rhetoric and Public Speaking (1916, 1910), U 107a, 1920 A street (AS).
- DAVISSON, EMMA REED, Assistant Professor in Agricultural Extension Service as Home Economics Specialist in Community Work (*In Co-operation with U. S. Department of Agriculture*), Agr H 301, 1143 G street.

¹Resigned.²Deceased.³Absent on leave.

- DAWSON, RALPH WARD, B. Sc., Assistant Professor of Entomology (1916, 1916), P I 203, 1105 North Thirty-third street (AS, A).
- DAY, ELSIE, A. B., Ph. G., Assistant Professor of Pharmacognosy (1914, 1908), N 7, 2030 Sumner street (AS, P).
- DATTON, MABEL ALICE, A. B., Scholar in Education, U 209, 2282 Sheldon street.
- DEAN, CHARLES LYMAN, B. Sc. in M. E., Associate Professor of Mechanical Engineering (1913, 1902), M E 101, 1920 South Twenty-sixth street (E, G).
- DEAVER, W. H., Junior Agricultural Agent (Extension), Filmore County.
- DEERING, CHRISTINE, Assistant in Home Economics, H E, 925 Z street.
- DELONG, A. H., County Agricultural Agent (Extension), Syracuse.
- DENMAN, J. M., Emergency District Demonstration Agent (Extension), Arapahoe.
- DEVRIES, HERBERT J., Assistant to Superintendent of Grounds and Buildings, 2537 O street.
- DICKSON, MATTHEW ELLIS, B. Sc., Associate Professor of Poultry Husbandry (1917, 1915), Agr H 205, 2934 Potter street (A).
- DINGES, MARGARET, Clerk in Agricultural Extension.
- DOBBS, MABEL, Assistant in Fine Arts, 329 South Twenty-seventh street.
- DONAHOE, P. C., Emergency District Demonstration Agent (Extension), Pierce.
- DORE, HELEN, Stenographer, Registrar's Office, Adm 103, 1221 G street.
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- TAYLOR, FRED LEE, B. Sc., County Agricultural Agent (Extension), Chadron.
- TAYLOR, WILLIAM GEORGE LANGWORTHY, A. R., LL. B., Professor Emeritus of Economics and Commerce (1911, 1893) (AS, G).
- TAYLOR, WILLIS HARVEY, B. Sc., M. D., Instructor in Obstetrics, Omaha.
- TELL, ARTHUR WILLIAM, B. Sc., County Agricultural Agent (Extension), Scottsbluff.

¹Resigned.²Absent on leave.

- THIEL, JOHN JACOB, A., Assistant Professor of Germanic Languages (1916, 1916), U 108, 1225 South Twenty-first street (AS).
- THOMAS, AMOS, LL. B., Instructor in Medical Jurisprudence, 905 Omaha National Bank Building, Omaha. On leave. Major, Commanding Officer First Battalion Military Police.
- THOMAS, HARRY NEILSON, B. Sc., County Agricultural Agent (Extension), Chadron.
- THOMAS, J. L., County Agricultural Agent (Extension), Geneva.
- THOMES, ISABEL, A. B., Instructor in Romance Languages (1916, 1916), U 305, University Woman's Building (AS).
- THOMPSON, BENJAMIN HARRISON, Assistant Professor in Dairy Husbandry, D I 208, 3440 Starr street (A).
- THOMPSON, BESSIE ENYEART, Secretary University Extension, Adm 203, 2015 J street, University Place.
- THOMPSON, ELIZABETH, Assistant in Registrar's Office, Adm 103, 2910 P street.
- THOMPSON, HARRY LANDIS, A. M., Assistant Professor in Pharmacy and Physiology, N 5, 710 North Twenty-sixth street (P).
- THOMSON, RAY T., B. Sc., Fellow in Botany, 516 North Sixteenth street.
- THORPE, R. M., County Leader (Extension), Lincoln.
- THORSON, THEODORE, B. S. A., Assistant Professor of Dairy Husbandry (1917, 1915), D 208c, 1401 North Thirty-third street.
- THURSTON, HENRY W., JR., B. S., Associate Professor of Plant Pathology and Physiology, and Assistant in Experiment Station (1917, 1917), P I 304, 334 South Seventeenth street.
- TILDEN, FLORENCE, Stenographer, Agricultural Extension, 1747 Ryons street.
- TOMLINSON, CHARLES CREIGHTON, M. D., Instructor in Dermatology, Omaha.
- TOOL, ARTHUR QUINCY, B. Sc., M. A., Ph. D., Assistant Professor of Physics (1916, 1908-1909), B 115, 1540 South Eighteenth street.
- TOWLE, LELAND M., Assistant in Executive Dean's Office. On leave. National Army.
- TOWNE, SOLON RODNEY, A. M., M. D., Professor Emeritus of Hygiene and State Medicine, 446 Brandeis Building, Omaha (M).
- TOWNSEND, L. A., Instructor in Animal and Dairy Husbandry, Curtis.
- TRUKKEN, V. H., County Leader (Extension), Elba.
- TRUMAN, REX, B. Sc., County Agent Work (Extension), Rushville.
- TUCKER, MYRA, Teacher Nurses Training School, University Hospital, Omaha.
- TUCKERMAN, LOUIS BRYANT, JR., A. B., Professor of Theoretical Physics (1916, 1906), B 119, 3111 S street (E, G, AS).
- TUTTLE, SAMUEL JOHNSON, A. M., LL. B., Professor of Law (1909, 1909), L, 3012 O street (L).
- UPSON, FRED WILBERT, B. Sc., M. A., Ph. D., Professor of Chemistry (Head of the Department of Chemistry) (1918, 1913), C 107, 3226 W street (G, A, AS, P, E).
- VAN BRUNT, GLADYS, Stenographer, Mechanical Engineering Department.
- VANCE, JULIA, A. B., B. Sc., Associate Professor in Home Economics (Acting Head of the Home Economics Department) (1917, 1915), Orlo (A).
- VAN ES, LEUNIS, M. D., V. S., Professor of Animal Pathology and Hygiene (Head of the Department of Animal Pathology and Hygiene), Vet. (A).
- VAN KIRK, MARY STANDERWICK, Instructor in Home Economics (1913, 1913), H E 305, 2521 R street.

¹Resigned.²Absent on leave.

- VAN SICKLE, LAWRENCE K., Graduate Assistant in Chemistry, C, 900 South Seventeenth street.
- VEQUIST, D. G., Emergency District Demonstration Agent (Extension), St. Paul.
- VINING, SARAH LOUISE, Supervisor of Cafeteria, H E, University Farm.
- VINING, W. H., Assistant in Agricultural Extension Department.
- VIRTUE, GEORGE OLSEN, Ph. D., Professor of Economics and Commerce (1909, 1909), U 101, 1415 C street (AS, G, P, E).
- ¹VOSE, LEONARD OWEN, B. Sc., Instructor in Agricultural Chemistry, E S 105, 307 North Twenty-fourth street.
- VOSS, ADOLPH MAX, A. B., Assistant Inspector of Accredited Schools, Adm 202, 2741 Randolph street.
- VOTAW, WILLIAM WARD, Assistant Superintendent of Grounds and Buildings, Adm 207, 3044 Q street.
- WAGNER, A. E., Junior Extension Agent, Alma.
- WAITE, HERBERT HAROLD, A. M., M. D., Professor of Bacteriology and Pathology (Head of Department of Bacteriology and Pathology) (1907, 1902), B H 110, 2144 B street (AS, P, G).
- WALIZER, ELIZABETH, Stenographer to Purchasing Agent, 707 South Twenty-seventh street.
- WALKER, ELDA REMA, Ph. D., Associate Professor of Botany (1913, 1906), B H 214, (AS, G).
- WALKER, LEVA BELLE, A. M., Associate Professor of Botany (1914, 1907), B H 314, (AS).
- WALLACE, CHARLES WILLIAM, Ph. D., Professor of English Dramatic Literature (1912, 1901), L 301, 2467 Park Avenue (AS, G).
- WAMBEAM, FLOYD, B. Sc., Editor of Agricultural Publications (1916, 1916), Agr H 204, 3225 Holdrege street (A). On leave. 356th Ambulance Co.
- WARD, GEORGE H., Engineer in Charge of Grounds and Buildings, Curtis.
- WARD, WYLIE R., B. Sc., District Demonstration Agent (Extension), 1400 North Thirty-seventh street.
- ¹WARDEN, CARL JOHANN, A. M., Fellow in Philosophy, 1317 S street.
- WARNER, CORA F., City Home Demonstration Agent (Extension), Lincoln.
- WARNER, ESTHER, A. B., County Agent Work (Extension), Seward.
- WARNER, KENNETH F., M. S., Assistant Professor in Animal Husbandry (Extension), Agr H 104, 1619 R street (A).
- WARREN, CHARLES RAY, Acting Chief Clerk, Secretary's Office, Adm 102, 1237 T street.
- WATERS, CHESTER HILL, B. Sc., M. D., Instructor in Pathology, 1511 Capital avenue, Omaha.
- WATERS, N. MELVINA, Instructor in Normal Training, Curtis.
- WATSON, CURRY WATHAM, B. Sc., Assistant Professor of Agricultural Extension and State Leader in Junior Extension Service (1917, 1914), Agr H 108, 3136 Holdrege street.
- ¹WATSON, MERTIE BELL, Stenographer, Farm Office.
- WATSON, MINNIE FRIED, Instructor of Normal Training, School of Agriculture, 3136 Holdrege street.
- WATSON, R. H., County Agricultural Agent (Extension), Wahoo.
- WEAVER, FORREST D., Clerk in Agricultural Extension.
- WEAVER, JOHN ERNST, Ph. D., Professor Ecology (1917, 1915), B H 121, 140 North Twenty-eighth street (AS, G).
- ¹WEBB, ADIN HILTON, M. D., Lecturer in Physiology.
- WEBER, C. R., County Agricultural Agent (Extension), Tecumseh.
- WEBER, CHRIS OLIVER, A. B., Assistant in Philosophy, L 111, 1504 Vine street.

- WEBSTER, EDITH LENORE, A. B., Associate Professor of Geology (1918, 1909), Mus 201, 534 North Twelfth street (AS).
- WEBSTER, HUTTON, Ph. D., Professor of Social Anthropology (1907, 1907), Law 102, 1386 D street (AS, G, T).
- WEBSTER, RICHARD O., B. Sc., Graduate Assistant in Chemistry, 1312 J street.
- WEIGAND, GUY L., B. Sc., House Physician, University Hospital, Omaha.
- WEINARD, FRED FRANCIS, B. Sc., Scholar in Botany, 1411 South Eleventh street.
- WEKESER, AMELIA, Stenographer in Agricultural Extension Department, 904 E street.
- WERNER, ADA M., City Leader (Extension), Hebron.
- WESTERMANN, LOUISE SCOLLER, Lecturer in Physiology, 1535 C street.
- WESTERMANN, MAX, Assistant Secretary of the Board of Regents, Adm 102, 1535 C street.
- WHALEY, FRANCES ALICE, A. M., Assistant in Secretary's Office, 2812 R street.
- WHERRY, WILLIAM PENALUNA, M. D., Instructor in Laryngology and Rhinology, 471 Brandeis Building, Omaha.
- WHITE, J. R., County Agricultural Agent (Extension), Hall County.
- WHITNEY, DAVID DAY, Ph. D., Professor of Zoology (1916, 1916), B H 106, 1234 A street (AS, G).
- WICKLANT, L. A., County Agricultural Agent (Extension), Aurora.
- WICKLAND, N. C., County Agent Supervisor, Omaha.
- WIESE, HELEN D., Assistant Home Demonstration Agent (Extension), Lincoln.
- WIGTON, HARRISON ALONZO, B. Sc., M. D., Instructor in Nervous and Mental Diseases, 1820 Vinton street, Omaha.
- WILBORN, HATTIE, Stenographer, U. S. Commission on Public Information, U 206, University Place.
- WILCOX, EDWIN MEAD, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station (Head of Department of Plant Pathology and Physiology) (1911, 1908), P I 305, 1923 B street (A, G).
- WILCOX, MARY, Nurse, University Hospital, Omaha.
- WILKINSON, HARRY ROBERT, A. B., Athletic Director and Instructor in Mathematics and History, Curtis.
- WILLARD, CARL C., Assistant in Secretary's Office.
- WILLARD, WILLIAM ALBERT, Ph. D., Professor of Anatomy (1916, 1902), 4012 Harney street, Omaha (M, G).
- WILLIAMS, CYRUS VANCE, A. M., Superintendent of Nebraska School of Agriculture, Curtis.
- WILLIAMS, H. W., Assistant Agricultural Agent (Extension), West Point.
- WILLIAMS, HATTIE PLUM, Ph. D., Associate Professor of Practical Sociology (1915, 1915), Law 106, 407 North Twenty-sixth street (AS).
- WILLIAMS, HOBART FLOYD, B. S. A., Assistant Professor of Farm Management (Extension) (1916, 1916), Agr H 307, Y. M. C. A.
- WILLIAMS, MILDRED, Assistant in Library, L.
- WILLIAMS, TERRY ARTHUR, Agent, Student Activities, Adm B 7, 3217 Vine street.
- WILLIAMSON, BESSIE BELLE, A. B., Assistant to the Dean of Women, Adm 205, 1516 S street.
- WILLIS, EUNICE AMY, Head of the Stenographic Bureau, Adm 206, 2306 South Fourteenth street.
- WILSON, ALVA, County Agent Supervisor.
- WILSON, HARRIETT, Librarian of the Medical College Library, Omaha.

¹Resigned.

²Joint Director of a State Bureau for the Study of Plant Diseases and Destructive Insects in connection with the Experiment Station.

- WILSON, HENRY H., A. M., LL. M., Professor of Law (1900, 1891), Law, 1928 E street (L).
- WILSON, MAUDE MATHES, B. Sc., Professor of Home Economics (Extension Service) (1918, 1913), Agr H 301, 124 North Twenty-fourth street.
- WILSON, RALPH PARKS, A. B., LL. B., Lecturer on Torts, 1928 E street. On leave. National Army.
- WIMBERLY, LOWRY CHARLES, A. B., Instructor in Rhetoric, U 107a, 645 North Thirty-third street (AS).
- WIRT, FLORENCE MARY, A. B., Assistant in Registrar's Office, Adm 103, 1634 H street.
- WISHERD, MAUDE E., Library Assistant, L, 1821 Prospect street.
- WITTIE, ELLA CTONIA, Instructor in Public School Drawing, L 307, 40th and Sheridan Boulevard (AS).
- WOLCOTT, ROBERT HENRY, A. M., M. D., Professor of Zoology (Head of Department of Zoology) (1918, 1894), B H 102, 2100 B street (AS, P, T, G).
- WOLFE, HARRY KIRKE, Ph. D., Professor of Philosophy (Head of Department of Philosophy) (1909, 1906), L 111, 1727 J street (AS, G, T).
- WOOD, IVAN DALEY, M. A., Associate Professor of Agricultural Engineering (Extension) (1918, 1912), A E A 201, 122 Floral Court (A). On leave. Lieutenant Aviation Section, Signal Reserve Corps.
- WOOD, MARY, Assistant in Agricultural Extension.
- ¹WOODWARD, EDWIN GARVER, B. S. in Agr., M. S., Professor of Dairy Husbandry (1917, 1913), D, Route 4, Box 118 (A).
- WUPPER, MAGDALENE, Scholar in European History.
- WYER, MALCOLM GLENN, A. B., M. L., B. L. S., Librarian (with rank of Professor), L, 2632 Sumner street (AS).
- YANKIE, R. H., County Leader (Extension), Blair.
- YOUNG, G. ALEXANDER, M. D., Professor of Nervous and Mental Diseases (1917, 1917), Omaha.
- YOUNG, C. R., County Agricultural Agent (Extension), Dakota City.
- YOUNG, ESTHER, Stenographer in Agricultural Extension.
- YOUNG, HORACE JAMES, B. Sc. in Agr., County Agent Supervisor (1918, 1911), 2625 Orchard street (A).
- YOUNG, MARION LUELLA, Associate Professor of Physical Education and Director of the Woman's Gymnasium (1917, 1917), G, 606 North Sixteenth street (AS).
- ZIMMER, MARY VIRGINIA, A. B., Assistant Principal and Assistant Professor of Mathematics, School of Agriculture, Agr H 207, 42d and Holdrege streets.
- ZIMMERMAN, MABEL, Library Assistant, L, 3040 Dudley street.
- ZINNECKER, HENRY, City Leader (Extension), Pierce.

¹Resigned.

**General Information
Concerning the University**

General Information Concerning the University

THE UNIVERSITY

Colleges and Schools of the University. By statute, the University of Nebraska comprises the following colleges and schools:

The Graduate College, including the Graduate School of Education.

The College of Arts and Sciences, including the Schools of Fine Arts and Commerce.

The Teachers College, including the Teachers College High School.

The College of Engineering.

The College of Agriculture, including the Schools of Agriculture.

The College of Law.

The College of Medicine.

The College of Pharmacy.

Information as to the object and work of each of these colleges may be found by consulting the portion of the catalog devoted to each.

In addition to the foregoing, the University Board of Regents is, by law, the governing board for the Nebraska Agricultural Experiment Station, and of the Experimental Substations at North Platte, Valentine and Scottsbluff; it has entrusted to its care the Agricultural Extension Service; and the state has created a bureau for the study of Plant Diseases and Destructive Insects with the professors of Plant Pathology and Physiology and of Entomology respectively in charge as State Plant Pathologist and State Entomologist.

Equipment of the University. The grounds and buildings of the University are distributed among three groups: (1) the original campus, situated in the capital city of Lincoln, with its main entrance at Eleventh and R streets, and containing eighteen buildings devoted to Academic, Law, Pharmaceutical and Engineering instruction; (2) the University Farm, of four hundred and eighty acres, two and a half miles northeast of the original campus, containing ten buildings devoted to instruction in Agriculture and Home Economics; (3) the Medical College buildings in Omaha, at Forty-second and Dewey Avenue. Adjacent to this campus and on land belonging to the state is the new Child-Saving Institute, the clinical facilities in which are under the control of the University. The various libraries, laboratories, museums and collections of the University, available for use by students of the University, are described in those portions of the catalog devoted to the Colleges or Schools with whose work they are chiefly connected.

Government of the University. The Chancellor, chosen by the Board of Regents, is the chief executive officer of the University; subject to the rules and orders of the Board he has both pedagogical and business supervision over the University as a whole, over the various Colleges, and over all the affairs and interests of the University. For each of the Colleges within the University the Board of Regents elects a Dean, to be the presiding officer of the faculty of his College and to perform such other duties as the Board or the faculty of his College may require. The faculty of each College, subject to the Chancellor and the Board, determines upon all matters relative to the internal affairs of its College. A University Senate, corresponding to the "general faculty" of other universities, and subject to the Chancellor and Board, determines questions which concern more than one College or the University as a whole. The Chancellors, Deans, heads and acting heads of departments, and such other members of staff as the Regents may name are voting members of the senate.

Revenues of the University. By an amendment in 1899 of the original act of incorporation (1869), a tax of one mill upon the grand assessment roll of the state is provided for the support of the University. Added to this are incomes from land leases and sales under the land-grant act of Congress of 1862 for the benefit of the Industrial College,¹ and under the enabling act reserving seventy-two sections of land for the State University; interest on permanent fund investments; and the money grant by the act of Congress, commonly known as the Morrill Act, August, 1890, and by the Hatch Fund Act of 1887, and the Adams Act of 1906 supplemental thereto. In addition to this are the fees paid by students for various purposes. The state legislature of 1913 appropriated a three-fourths mill levy for six years for permanent development of the University, leaving the location to be determined by a vote of the people at the general election in 1914 at which election it was voted to extend the present campus.

History of the University. The University of Nebraska was founded by an act of Nebraska legislature, effective February 15, 1869. The subsequent new constitution of 1875 recognized the University as thus established, placed it under the general control of an elective board of six regents, and made certain fundamental provisions as to its organization and administration. The next legislature (1877) revised the act of 1869 in accordance with the provisions of the new constitution. Under this revised act (Compiled Statutes of Nebraska, Chapter 87), as slightly amended by the legislature of 1909¹ and 1915 the University is at present organized and operating.

¹In 1909, the Industrial college was erected into the colleges of Agriculture and Engineering by the state legislature; the same legislature authorized the creation of the Graduate college and the Teachers college.

WAR SERVICES OF THE UNIVERSITY

As of Date May 11, 1918

Immediately on the declaration of war, in accordance with official federal suggestions, more than a thousand young men withdrew for military, naval, or industrial employment in the national service. In the months immediately following, officers and teachers of the University labored unceasingly and successfully to create a sentiment in the state in favor of energetically supporting the national administration in its war plans. The department of Public Information, through its director, M. M. Fogg, has established the corps of four-minute speakers which has attracted the attention of the whole country.

The Dean of the Agricultural College and Professor Pugsley by request of the Secretary of Agriculture, assisted at the great food conference in St. Louis. This was the starting of energetic and successful efforts at food conservation and wheat saving which has enabled the state to market such a quantity of food products during the past year. Under the direction of the Extension Department a campaign of education was held in which every housewife in the state was given opportunity to learn methods of drying and canning, and municipal drying plants were established at various places.

The University through a resolution of the Board of Regents, proposed by Regent Hall, offered to those employees who should enlist their salaries to the end of the year and their positions again after their return. Under this offer 30 faculty men are now enrolled in the military service of the government. 1403 stars on our service flag commemorate the fact of that many former students now following the flag. The record of the University's students in the training camps is as good as the best.

The University has undertaken to instruct during the four months commencing June 15th, 900 men in various mechanical employments to qualify them for service in the pioneer's camps with the active army, and to furnish the use of its plant without charge to the government for that purpose. During the past winter special instruction has been given by the various engineering departments, particularly along the line of automobiles, tractors, and the like, to fit men to render valuable service to the government. At the beginning of the school year, in pursuance to a request from the Signal Corps of the U. S. Army, a school in radio telegraphy was established. The records at the present time show that 92 men are now receiving instruction and 132 have been transferred to active service in the army. In addition to this, a class of 13 girls is receiving instruction in Morse telegraphy preparatory to filling places vacated by boys entering government service.



University Service Flag as of May 11, 1918.

THE
JOHN CRERAR
LIBRARY

The Medical College at Omaha has responded to the request of the federal government that it remain in continuous session to hasten the qualification of competent physicians and surgeons for the medical service of the government. It and all its officers and resources will be energetically used thruout the summer months for that purpose, and its hospital is equally at the government's service, both for the training of physicians and nurses and the reception of patients if that should become necessary.

The quota of graduates of the University permitted for the present fourth officers' reserve corps training camp is 35; 78 applications for appointment were received, some of which, however, were ineligible under the rules because they had not had the year of military training required for such an appointment, and others because of physical disqualifications, but the 35 are on the spot ready for enrollment and they will make officers.

Whenever any member of the University has been called upon to serve, he has never failed to remember that this is one of the endowed agricultural institutions early provided for by federal law and liberally supported by national appropriations since.

We have now actually in France 200 of our former students. We suppose that the next few months will see most of the remainder of those who are enlisted also in the trenches and on the fighting line. The entire University, officers, instructors, and students, have not the slightest doubt that when there, they will give such an account of themselves as will make us still prouder of them and the institution from which they went.

The military department of the University from the time of the first commandant, Colonel Dudley, on down through the days of Lieutenant Pershing, Lieutenant Bowman, and Captain Parker, and our present Colonel Roberts, has always kept the sentiment of military patriotism alive in the University in spite of the assaults of pacifists and has always enabled us to recognize that the institution was a part of the means "for the common defense" which it was the purpose of our national constitution among other things "to provide."

The University has maintained Red Cross rooms under the direction of Mrs. Samuel Waugh, where the students and faculty have met to make surgical dressings. Although the work has been carried on only six months, a total of 50,000 dressings has been made.

From these contributions of men and sentiments it seems almost pitiful to fall to the mere matter of money contributions, but they have been systematically organized and have had results as follows: Red Cross, \$1,364.50; athletics contribution of last year to Red Cross, \$7,000; Red Triangle, \$23,000 when the apportionment was \$15,000; Second Liberty Loan, \$75,000; Third Liberty Loan, \$34,000; Thrift and War Stamps, \$2,601.99.

THE UNIVERSITY YEAR

The year's work of the various Colleges and Schools of the University in general falls into the following subdivisions:

The First Semester, beginning the second Wednesday after the first Monday in September, and continuing eighteen weeks. The Mid-Winter Commencement, for those finishing their work at the end of a first semester, is held on University Charter Day (February 15), except when it falls on Saturday or Sunday, in which case the exercises are held on the preceding Friday or the succeeding Monday.

The Second Semester, beginning about February 1, and continuing eighteen weeks. The Spring Commencement, for those completing a course at the end of a second semester, occurs on Wednesday of the week of the regular June meeting of the Board of Regents. This meeting is held on the first Tuesday after the first Wednesday in June of each year.

The Summer Session, usually beginning the week of the spring commencement and continuing eight weeks. Commencement exercises for those completing their University course at the end of a summer session are held on the last Friday of the summer session.

ADMISSION TO THE UNDERGRADUATE COLLEGES OF THE UNIVERSITY

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

The requirements for admission to each of the colleges vary only in a small degree except that in addition to the requirements below under "Admission to Freshman Standing" is required, *for admission to the College of Law* thirty hours¹ of academic work, *for admission to the College of Medicine*, the two year premedical course in this institution or sixty hours of academic work, including physics, 6 hours; zoology, 6 hours (including vertebrate anatomy); chemistry, 10 hours; German or French, 10 hours and *for admission to the Teachers College* twenty-four hours of academic work. Students in the Teachers College are also matriculated in another College of the University which grants the bachelor's degree. Work from another institution offered to meet the above academic requirements will be evaluated as indicated below under "Admission to Advanced Standing."

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College of the University which the applicant may wish to enter, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below under "Admission by Certificate," and in the subjects for the amount indicated below under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours elective credit and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and

also whether or not the applicant is a graduate and file the same with the Registrar.

Applicants for admission to the College of Agriculture as graduates of the University Preparatory Course of the School of Agriculture must secure from the Principal of the School of Agriculture an official certified statement of record and file the same with the Registrar. The above named applicants are admitted to complete freshman standing in the College of Agriculture without examination.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated, the time element as indicated above in the definition of an *entrance point is essential*.

Required Subjects	Points
English	4
History (European) (a).....	2
Mathematics (algebra and geometry) (b).....	4 to 6
Language (foreign) (b).....	6 to 4
Science (laboratory) (c).....	2 [or 4 (b)]
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school.....	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirements.

(b) Language and mathematics—

College of Agriculture—Ten points of foreign language and mathematics are recommended with a minimum of four points in either, but additional English, history or laboratory science may be offered in place of foreign language.

College of Arts and Sciences—Ten points of foreign language and mathematics are required with a minimum of four points in either. In the Academic-Medical course Greek or Latin is recommended.

College of Engineering—Three points algebra and three points geometry are required. Additional English, history or laboratory science may be offered in place of foreign language.

College of Law—Same as for the College of Arts and Sciences, (except that in addition thirty college hours of academic work are required).

College of Medicine—Same as for the College of Arts and Sciences, except that Greek or Latin is recommended, (and in addition sixty college hours of academic work, including chemistry 10 hours, German or French 10 hours, physics 6 hours, zoology 6 hours).

College of Pharmacy—Ten points of foreign language and mathematics are required, with a minimum of four points in either.

Teachers College—Same as for the College of Agriculture or the College of Arts and Sciences, (except that in addition twenty-four college hours of academic work are required).

(c) Science—

For entrance to the College of Agriculture both physics and chemistry are desirable, but either a full year of physics or of chemistry should be offered. Students offering only a half year of either cannot continue their study in the College without registering for the elementary course.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished showing the length of time attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done*; (3) *an official certified statement of the record of secondary school work showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that College of the University which the applicant seeks to enter.*

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration week each student¹ is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until fees are paid and the application for registration filed in the office of the Registrar. A fee of fifty cents is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made by direction of University authorities and thru no fault of the student. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. Upon the payment of the required fee, a student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser approved by the

¹Freshmen schedules are arranged for the year. Their registration for the second semester is, in general, merely a formality consisting in the payment of the necessary fees.

Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester unless required by the prescribed program; a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester nor for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extension of time may be granted by instructors to students for removing a "condition" or "incomplete."

ACCREDITED SCHOOLS

The University of Nebraska maintains two lists of accredited schools, a four-year list and a junior list. The graduates of the four-year list are admitted to the university (and to nearly all of the colleges and universities of the United States) without entrance examinations in subjects that are properly certified as completed within these schools. Unless a graduate of an accredited school, a candidate for admission must be prepared to take examination in those subjects in which he desires entrance credit.

"Accredited" schools are such as, under annual inspection by the University inspector of accredited schools, are found to have a well-balanced program of studies, satisfactory laboratory equipment and library facilities and a teaching force adequate in number and competent in scholarship and professional training to accomplish the work they are undertaking. This list of accredited schools is published yearly in the General Catalog, the University Journal, and the High-School Manual. Any public or private high school or academy desiring to be placed on the accredited list should make request to the Inspector of Accredited Schools. The High-School Manual, giving detailed information in regard to accredited schools, including general and departmental suggestions as to courses of study and methods of instruction, and the list of accredited schools, is sent upon application to the Registrar.

• Certificates of graduation from schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank will entitle the holder to admission without examination.

Standards for Accrediting Schools

1. Not less than thirty points required for graduation.
2. The minimum academic and professional preparation of teachers equivalent to four years beyond a four-year high school course. In determining this equivalence, two years of experience in grammar grades or secondary schools to be considered equivalent to one year of higher preparation.
3. Not to exceed six daily recitations for each teacher.
4. Laboratory and library facilities adequate to the needs of instruction in the subjects taught.
5. The location and construction of the buildings, the lighting, heating, and ventilation of the rooms, the nature of the lavatories, corridors, closets, water supply, school furniture, apparatus and methods of cleaning such as to insure hygienic conditions for both pupils and teachers.
6. Efficiency of instruction, acquired habits of thought and study, general intellectual and moral tone of the school evidenced by inspection.
7. At least three instructors giving entire time to secondary subjects.

All schools are asked to make a detailed report in September, giving information necessary for bringing the condition of the schools before the committee. Schools that have been previously accredited and that have not made much change in the teaching force, may be placed upon the accredited list for the current year immediately. New applicants and schools that have made material changes in the teaching force will not be accredited until after a visit of inspection.

There must be at least two instructors in Junior Accredited schools giving their time to secondary school work. It is recommended that at least one of the instructors meet fully the standard of qualifications applying to fully accredited schools.

Should a school approximate these standards, the High-School Manual and a statistical blank for information will be sent. If the reply is satisfactory, an inspector will visit the school, and the committee on accredited schools will take such action as his report may justify.

Schools are accredited annually, the official list being announced before the close of the second semester of the current year. Such lists

may be secured on application to the High School Inspector. The following secondary schools were accredited to the University of Nebraska for the year 1916-17, each to receive not to exceed the maximum credit granted to the class to which it belongs:

Four Year Schools—Group A

This group consists of schools that are accredited to the North Central Association of Colleges and Secondary Schools, and such other schools as meet the above standards:

Adams	Elgin	*McCook
*Albion	Elmwood	*Madison
*Alliance	*Fairbury	Meadow Grove
*Alma	*Fairfield	*Minden
*Ashland	Fairmont	Mt. St. Marys Semi-
*Auburn	*Falls City	nary (Omaha)
*Aurora	*Franklin Academy	*Nebraska City
*Beatrice	*Fremont	Nebraska School of
Beaver Crossing	*Friend	Agriculture (Curtis)
Bellevue Pioneer	*Fullerton	*Nebraska Wesleyan
Union	*Geneva	Academy (Univer-
*Benson	Genoa	sity Place)
*Blair	*Gothenburg	*Nelson
*Broken Bow	*Grand Island	Newman Grove
*Brownell Hall	Grand Island	*Norfolk
(Omaha)	Academy	*North Bend
Burwell	Hardy	*North Platte
Cambridge	*Harvard	Oakland
*Central City	*Hastings	Ohiowa
Chadron	*Hastings Academy	Omaha
Clarks	*Havelock	*Central
*Columbus	Hebron	*South
Cotner Academy	*Holdrege	Ord
(Bethany)	*Humboldt	Osceola
*Creighton Academy	*Kearney	Overton
(Omaha)	*Kimball (Kimball	*Pawnee City
*Crete	County)	Plainview
Dana College	*Lexington	Randolph
Academy (Blair)	*Lincoln	*Ravenna
Dodge	Luther Academy	*Red Cloud
Dorchester	(Wahoo)	Rising City
Edgar	Lyons	Sacred Heart Acad-
		emy (Omaha)

*Accredited by the North Central Association of Colleges and Secondary Schools.

Sargent	*Superior	*University Place
School of Agriculture (Lincoln)	Sutherland	*Wahoo
*Schuyler	Sutton	*Wayne
*Scottsbluff	Syracuse	Weeping Water
*Seward	*Teachers' College (Lincoln)	*West Point
*Shelton	*Tecumseh	Wilber
*Sidney	*Tekamah	*Wisner
Stanton	Union College Acad-	Wood River
Stromsburg	emy (College View)	*York
		*York Academy

Four Year Schools—Group B

Schools fully accredited but not meeting fully the standards mentioned above as to the preparation of the teaching staff or laboratory and library facilities:

Ainsworth	Chase County	Ewing
Ansley	(Imperial)	Exeter
Arapahoe	Chester	Florence
Arlington	Clarkson	Franklin
Atkinson	Clay Center	Gering
Bancroft	Coleridge	Gibbon
Bartley	College View	Giltner
Battle Creek	Cook	Gordon
Beaver City	Cowles	Grafton
Benkelman	Cozad	Greeley
Bertrand	Craig	Greenwood
Bethany	Crawford	Gretna
Bladen	Creighton	Guide Rock
Bloomfield	Crofton	Haigler
Bloomington	Culbertson	Hampton
Blue Hill	Davenport	Hartington
Blue Springs	David City	Hebron Academy
Brady	DeWitt	Hickman
Bridgeport	Diller	Hildreth
Butte	Dunbar	Holbrook
Campbell	Edison	Homer
Carleton	Elkhorn	Hooker Co.
Cathedral (Lincoln)	Elmcreek	(Mullen)
Cedar Bluffs	Emerson	Hooper
Cedar Rapids	Eustis	Howells

*Accredited by the North Central Association of Colleges and Secondary Colleges.

Humphrey	Odell	Sioux County
Hyannis	Ogallala	(Harrison)
Immaculate Concep- tion Academy	O'Neill	South Sioux City
(Hastings)	Orchard	Spalding Academy
Indianola	Orleans	Spencer
Jackson	Oxford	Springfield
Juniata	Papillion	Steele City
Kenesaw	Pender	Stella
Laurel	Perkins County	Sterling
Lawrence	(Grant)	Stratton
Liberty	Pierce	Stuart
Lodge Pole	Pilger	Swanton
Louisville	Plattsmouth	Table Rock
Loop City	Polk	Talmage
Lynch	Ponca	Tilden
Mason City	Rock County	Trenton
Maxwell	(Bassett)	Ulysses
Maywood	Rushville	Union
Mead	St. Bernard Academy	Utica
Merna	(Nebraska City)	Valentine
Milford	St. Catherine Acad- emy (Jackson)	Valley
Milligan	St. Edward	Valparaiso
Minatare	St. John's	Verdigre
Mitchell	(Omaha)	Wakefield
Morrill	St. Mary's Academy	Walthill
Nebraska Central	(O'Neill)	Waterloo
College Academy	St. Paul	Wausa
(Central City)	Sacred Heart	Western
Nehawka	(Omaha)	Whitton-Carlisle
Neligh	Scribner	(Lincoln)
Newcastle	Shelby	Wilsonville
North Loup	Shickley	Winside
Oakdale	Silver Creek	Wymore

Four Year Schools—Group C

The graduates of this group may receive 28 points on credentials from their schools, giving them conditional admission to college or university. Additional credits may be secured by examination:

Alexandria	Dawson	Garden County
Brunswick	Deshler	(Oshkosh)
Cairo	Elwood	Hayes County
Carroll	Farnam	(Hayes Center)
Cortland		Herman

Hershey	Monroe	Sacred Heart Acad-
Holy Family Academy	Naponee	emy (Falls City)
(York)	Newport	Strang
Holy Trinity	Niobrara	Thomas County
(Hartington)	Osmond	(Thedford)
Kearney Military	Palisade	Upland
Academy	Potter	Verdon
Kennard	Prague	Wheeler County
Keya Paha County	Republican City	(Bartlett)
(Springview)	Rosalie	Winnebago
Leigh	St. Francis Academy	Wolbach
Long Pine	(Columbus)	

Junior Accredited Schools

The graduates of these schools may receive conditional admission to the university upon the completion of sufficient additional work in an accredited school to secure the minimum of 28 points:

Allen	Creston	McCool
Alvo	Dakota City	Marquette
Arcadia	Danbury	Palmer
Beemer	Daykin	Palmyra
Belvidere	Decatur	Riverton
Boelus	Doniphar	Rulo
Brainard	Douglas	Shubert
Bristow	Dwight	Spalding
Brock	Ft. Calhoun	Tobias
Bruning	Gresham	Trumbull
Callaway	Hubbard	Weston
Clearwater	Johnson	

For additional information regarding the accrediting of schools address the Inspector of Accredited Schools, The University of Nebraska, Station A, Lincoln, Nebraska.

CORRESPONDENCE STUDY

Correspondence courses for credit are offered thru the Department of University Extension. For full information see the bulletin of that department.

Requirements for College Credit. Three hours preparation constitute the minimum requirement in Extension work in any and all subjects for one hour of college credit. No credit is given without the approval of the head of the department in which the Extension work is taken. The final examination is given under such rules and regula-

tions as the head of the proper department may require. Only one-half of the unit hours required for graduation may be taken in correspondence study.

Requirements for Entrance Credit. Ten hours of preparation each week for one semester or a period of sixteen weeks constitute the minimum requirement in the Extension work for a credit point for entrance to the University. No entrance credit is granted without the approval of the head of the proper department.

THE SUMMER SESSION

The requirements for admission to the summer session correspond to those of the semestral sessions as given under "Admission to the University" on preceding pages. All who register in the summer session are required to matriculate in some one of the eight colleges of the University unless this has been done previously.

Credit

Nine hours of college credit is the maximum allowed for the eight weeks' work. All courses in the Summer Session carry college credit which will apply toward the requirements for a degree.

THE GRADUATE COLLEGE

Classes of Graduate Students. The Graduate College recognizes three classes of applicants: those who, having taken a bachelors' degree, wish to broaden their education without reference to higher degrees; those who wish to be candidates for advanced degrees, but are deficient in undergraduate preparation; and those who are eligible to candidacy, and wish to enter at once upon their special work. Those who do not wish to be candidates for an advanced degree are at once admitted, on evidence of graduation, to approved work in the Graduate College. Persons presenting first degrees in Law or Medicine or Theology may be admitted in this class. Those seeking advanced degrees, with insufficient preparation, are admitted to graduate standing, but must at once make up their deficiencies by taking courses in the undergraduate colleges. On completion of these assigned or arranged courses, such students become applicants of the third class, and are eligible to candidacy for the degree desired.

For information regarding Graduate work in Engineering see the Bulletin of the College of Engineering, in Medicine, see the Bulletin of the College of Medicine.

For courses of instruction see the Bulletin of the Graduate College.

Degrees. The degree of Doctor of Philosophy, Master of Arts, Master of Science, Agricultural Engineer, Architectural Engineer,

Civil Engineer, Electrical Engineer, and Mechanical Engineer are conferred on registered students, by the Board of Regents, upon recommendation of the Graduate faculty.

ADMISSION TO THE GRADUATE SCHOOL OF EDUCATION

Requirements. The Graduate School of Education is open only to graduate students who have met the conditions of registration in the Graduate College. To obtain the graduate teacher's diploma the student must have received the master's or doctor's degree from the Graduate College of this institution. The major, or major and minors, leading to the above degrees are departmental functions and may be elected at will by the student. The major for the master's degree, in most departments, covers about twelve semestral hours (sixteen in Education) of graduate study plus a thesis showing original investigation; the minor varies from eight to twelve semestral hours of classroom work. In addition to the major, or major and minor, which represent the subjects the student is preparing to teach, there are eighteen semestral hours of graduate courses in education and psychology, twelve in the former and six in the latter. Courses one, two, seven and twenty or twenty-one in Education and one and two in Philosophy as offered in this University are prerequisites to the above professional requirements. When not so offered on entrance they may be taken in class as electives fulfilling part of the requirements. The only fixed requirements are four semestral hours in adolescence, two in graduate theory and practice, and four in graduate experimental psychology.

Graduate Teachers' Diploma. The graduate teachers' diploma is conferred on men and women who, thru graduate study, have shown productive scholarship and special fitness for teaching in high schools, normal schools and colleges. It is the highest recommendation offered by the University to the teaching profession, and covers only the subject or subjects that the student is especially prepared to teach. It is accredited in most of the states as sufficient credential upon which to base teachers' licenses.

To obtain the graduate teachers' diploma one must have fulfilled the requirements as outlined above. This may be accomplished in one year of graduate study—three summer sessions—by persons who are especially fitted for graduate study and who continue with their strongest interests, others may require a year and a summer session or even two years. The master's or doctor's degree must precede or be granted along with the graduate teacher's diploma. The latter is based upon one year of graduate study of not less than thirty semestral hours of credit. The time required to accomplish a given end depends

largely on the quality of the student and the nature and importance of his subject.

Graduate students, not candidates for degrees or diplomas, will find in the graduate school of education excellent opportunity to renew their youth and increase their teaching efficiency by profitable advanced study.

FEES AND EXPENSES

The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

UNIVERSITY FEES

General

SCHOOL OF AGRICULTURE

Winter course, registration.....	\$4.00
Regular course, incidental, per year.....	6.00
Special registration fee.....	2.00
(Laboratory fees according to course.)	

CERTIFICATE

For all special courses.....	\$1.00
Teachers' certificate (with cover).....	2.00
Certificate of degree.....	2.00
Certificate of Teachers' Certificate.....	1.00

DIPLOMA

Diploma fee, first degree.....	\$5.00
Diploma fee, for advanced degrees.....	10.00
Diploma fee, in absentia or cum laude, additional.....	10.00

EXAMINATION (SPECIAL)

Each course, general colleges.....	1.00
Each subject, Law College.....	2.00
Advanced standing, Law College.....	10.00

FINE ARTS

For Students Who Have Not Satisfied Entrance Requirements

Drawing and Painting, including use of studio:	
One lesson a week, each semester.....	10.00
Students under 16 years, one lesson a week, each semester.....	6.00
Two lessons a week, each semester.....	18.00
Three lessons a week, with use of studio daily, each semester.....	25.00
China Painting, including use of studio:	
One lesson a week, each semester.....	12.00
Two lessons a week, each semester.....	23.00
Three lessons a week, each semester.....	33.00

TEACHERS COLLEGE HIGH SCHOOL

Tuition, each semester, in advance.....	13.50
Tuition, ¹ special subjects:	

One subject, \$8; two subjects, \$15; three or more subjects, \$20.

Students holding Free High School attendance certificates then in force will be admitted free upon presentation of these certificates. Tuition for such students will be collected from the several districts according to state law and the regulations of the State Superintendent of Public Instruction.

INCIDENTAL

Incidental fee, each semester.....	\$3.00
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LAW, COLLEGE OF

Tuition, first semester.....	25.00
Tuition, second semester.....	20.00
Tuition, for one semester only.....	25.00

A pro rata tuition of not less than \$8 is charged to special students. Students carrying 12 hours or more pay full tuition.

LIBRARY

Library fee, each semester.....	\$1.00
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¹These are specially arranged classes in preparatory subjects for University students who are required to make up one or more entrance credits.

MATRICULATION

Matriculation fee.....	5.00
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MEDICINE, COLLEGE OF—FIRST YEAR

Tuition, first semester.....	65.00
Tuition, second semester.....	60.00
Breakage fee.....	10.00

SECOND YEAR

Tuition, first semester.....	60.00
Tuition, second semester.....	60.00
Breakage fee.....	10.00

THIRD YEAR

Tuition, first semester.....	55.00
Tuition, second semester.....	55.00
Breakage fee.....	10.00

FOURTH YEAR

Tuition, first semester.....	55.00
Tuition, second semester.....	55.00
Breakage fee.....	10.00

(Unused portion of breakage fee is returnable.)

PHARMACY, COLLEGE OF

Tuition, first semester.....	\$20.00
Tuition, second semester.....	15.00
Tuition, for one semester only.....	20.00

A pro-rata tuition of not less than \$5 is charged to Adult Special or unclassified students.

(Laboratory fee according to course.)

REGISTRATION

Late registration fee (after registration days).....	\$3.00
Re-registration (including change in registration).....	0.50

Laboratory

AGRICULTURAL ENGINEERING

Courses 5, 6, 7, 14, 24, 31, 32, 33, 34, \$1; 1, 2, \$4; 3, 4, 8, 9, 10, 12, 17, 18, 22, \$3; 15, \$5.

AGRONOMY

Courses 1, 2, 51, 52, \$1.

ANATOMY

Courses (Zoology) 51, 52, 54, \$10; (Zoology) 53, \$15.

APPLIED MECHANICS

Course 15, \$5; 18, \$4; 16, 17, 20, \$3; 25, 26, \$5.

BACTERIOLOGY AND PATHOLOGY

Courses 2a, 3, 4, 5, 6, \$5.

BOTANY

Courses 1, 2, 15, 17, 18, 21, 22, \$2; 3, 4, 5, 6, 20, 23, 24, 25, 26, \$3; 11, 12, 18, 14, 27, 28, 29, 31, 33, 34, \$1; A, \$4; B, C, 37, 38, 40, 41, 42, 43, 44, 45, 46, for each credit hour a semester, \$1.

CHEMISTRY

Courses 1, 2, 20, 27, 51, 52, 80, 82, 84, 86, 88, \$5; 1A, 2A, 3, 4, 28, 65, 66, 67, 69, \$4; 19, 46, \$6; 33, 34, \$8; 31, \$10; 5, 21, 22, 23E, 23F, 23G, 231S, 23M, 23 Or, 23W, 24, 39, 40, 68, 123, for each credit hour a semester, \$2; 43 for 3-5 hours, 44 for 4-6 hours, \$2-\$6.

CIVIL ENGINEERING

Course 2, \$1; 5a, 6a, 8, \$3.

DAIRY HUSBANDRY

Courses 1, 2, 9, \$2; 4, 8, 10, 12, \$3; 7, 13, \$4.

ELECTRICAL ENGINEERING

Courses 8, 8a, 9, 10, \$5; 1, 9a, 10a, \$2.

ENTOMOLOGY

Courses 1, 2, 3, 4, 7, 8, 10, 11, \$1; 5, 6, \$2; 15, 16, 17, 18, for each credit hour a semester, \$1.

FINE ARTS

Courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22, 23, 24, 51, 52, 53, 53a, 54, 54a, 55, 56, 57, 58, 59, 60, \$2; 71, 72, 73, 74, 77, 78, 79, 80, \$10; 81, 82, 83, 84, 85, 86, 87, 88, 89, \$5.

GEOGRAPHY AND CONSERVATION

Courses 1, 2, 5, 6, 7, 8, 21, 22, 23, 24, 28, 52, \$1.

GEOLOGY

Courses 1, 1a, 2, 13, 18, 25, 27, 31, 33, 34, 35, 35a, \$2; 15, 16, \$3.

HISTOLOGY AND EMBRYOLOGY

Course (Zoology) 55, \$3.

HOME ECONOMICS

Courses 1, 2, 8, 9, 10, \$2; 3, 4, 6, 18, \$6; 24, \$1; 25, \$8; 5a, 7, 11, 12, 23, 26, \$3.

HORTICULTURE

Course 5, \$3; 20, 23, 24, \$2; 11, 12, 17, \$1.

MECHANICAL ENGINEERING

Courses 1, 2, 3, 5, 16, 17, \$6; 3a, 4, 15, \$5; 18, \$2.

PHARMACY

Courses 21, 22, 23, 24, 25, 28, \$7; 26, 31, 35, 36, 37, 41, 42, 43, 53, 54, 55, 60, \$5; 51, 52, 56, \$3.

PHYSICS

Courses 1, 2, 3, 4, 6, 8, 9, 10, 11, 12, 13, 14, 17, 18, \$4.

PHYSIOLOGY AND PHARMACOLOGY

Courses 1, 2, 3, 6, 8, 9, 19, 20, \$5; 4, 5, \$3; 10, 11, \$2; 70, \$1; 71, 72, \$4; 73, \$10.

PLANT PATHOLOGY AND PHYSIOLOGY

Courses 101, 102, \$2; 105, 108, 117, 118, \$3; 115, 116, for each credit hour a semester, \$1; 125, 126, 127, 128, for each credit hour a semester, \$2.

PSYCHOLOGY

Course 1, \$1.

ZOOLOGY

Courses 3, 4, 11, 12, 13, 14, 17, 26, 29, 32, 35, \$2; 7, 15, 20, 21, 23, 25, 55, \$3; A, 24, \$4; 18, 22, \$5; 8, 9, \$1; 27, 33, 34, 36, 37, 43, 3 (with additional laboratory work), 4 (with additional laboratory work), 7 (with additional laboratory work), for each credit hour a semester, \$1; 51, 52, 54, \$10; 53, \$15.

UNIVERSITY STUDENT ORGANIZATIONS

Religious.—While the University cannot exercise any official supervision over the religious life and education of the students, it does, however, offer in the department of history, philosophy and literature, many courses in which the principles of morals and religion are dis-

cussed and the life teachings of the great religious teachers are considered and the history of great religious and ethical movements is traced.

There are, however, among the student activities voluntary religious organizations which offer advantages of education in morals and religion. Thru the activities of the Young Men's and Young Women's held at their headquarters in the Temple, where social and reading rooms are maintained and a general secretary is in charge to direct the activities of these organizations.

The churches of the city without exception extend the privileges of worship and work to the students and faculty. Voluntary courses in the study of religion and Christian Missions are offered with special Christian Associations students have an opportunity of expressing their religious interests in voluntary ways. Religious meetings are reference to the mind and need of the students. Some of the churches maintain University Pastors who offer their services freely as counselors in matters touching the religious life and vocational interests of the students.

These various agencies found within the University community supplement in an unofficial way the work of the University in fulfilling the aim of all true education to prepare the students for leadership in the affairs of human life.

Literary and Social. The Palladian, the Union and the Delian are open literary societies meeting weekly on Friday evenings in their rooms in the Temple. The University Girls' Club is an organization formed to cultivate friendly and helpful relations among women students irrespective of department, course of study, church or society affiliations. All women students and women members of the faculties are eligible to membership. The Dramatic Club is an organization of students interested in amateur theatricals. It gives several plays each year. Membership is by election. The English Club is a writers' club, composed of advanced students and of instructors interested in writing. The club meets regularly to hear and discuss contributions by its members. Membership is by election. The Komensky Club, and the Tegner Society are literary and social organizations, whose main purpose is the study of history and language of Bohemia and Scandinavia. The Latin Club, composed of advanced students in Roman History and Literature, holds regular meetings.

Scientific. The Graduate Club, the Debating Club, the Agricultural Students' Association, the Botanical Seminar, the Chemical Society, the Chemical Journal Club, the Engineering Society, the English and Latin Seminaries, the Latin and Physics Colloquia, the Microscope and

Zoological Clubs are more specially collegiate or departmental organizations, concerning which information is given in the various bulletins devoted to the different Colleges and Schools.

Musical. The University Chorus, open to all students, gives each year several cantatas and oratorios. The Cadet Band, a military band, gives several home concerts annually and furnishes music on occasions of general University interest. The Glee Club gives concerts in Lincoln and thruout Nebraska and adjoining states.

Military. The Pershing Rifles is an organization of cadets composed of the best-drilled men in the University Cadet Battalion. Membership is by election. The Workizer Rifles is a similar organization in the School of Agriculture Cadet Battalion.

HONORS AND PRIZES

Fellowships and Scholarships, established in the different departments of the University, are available to students registered in the Graduate College. Fees are remitted to Fellows and Scholars for courses listed in the Graduate College only. Fees will be required for all undergraduate laboratory work.

These positions are awarded to students recommended by the respective heads of departments. They are not gifts or benefactions from the state, but are means whereby services are rendered to the University and at the same time the holder is assisted in some special line of work. The instruction required of Fellows and Scholars is confined to the department in which they are pursuing advanced work. For additional information see the announcement of the various colleges.

The William Jennings Bryan Prize. For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan. For detailed information apply to the professor of American history.

Prizes for Excellence in Bohemian. To the best students of the first year class, W. F. Severa of Cedar Rapids, Iowa, offered \$50. In 1916-1917 this prize was awarded as follows: First, Louise Stibal, Richmond, Nebraska; second, Emilie Hromas, North Bend, Nebraska.

Athletic and Military Trophies. Cups or other trophies are offered for the winners in the annual Class Field Day and Ivy Day contests, Company Drill, Individual Infantry Drill, and Individual Company Drill and Pershing Rifle contests.

Other Prizes are offered by the College of Law and the College of Medicine for excellence in the work of those colleges. See the Bulletin of the College of Law and the Bulletin of the College of Medicine.

Honorary Societies. Phi Beta Kappa, founded at William and Mary College in 1776, has for its object the promotion of scholarship among the students and graduates of American colleges; the Alpha of Nebraska chapter, founded in 1896, annually elects to its membership the one-tenth to one-sixth of the graduating class whose scholarship rank is highest.

REQUIREMENTS FOR ELIGIBILITY¹

Elections to Alpha of Nebraska Phi Beta Kappa will be made annually not earlier than March 5th. The announcement of the names of those elected will be made at the last convocation preceding the spring (Easter) recess.

No person shall be eligible for election on the basis of undergraduate scholarship at the University of Nebraska who is not included in one of the following three classes.

Candidates for graduation at the next succeeding June Commencement.

Graduates at the immediately preceding Summer Session Commencement.

Graduates at the immediately preceding Mid-Year Commencement.

Group Work—Two groups from each of the following divisions (A, B, C) in the amount indicated, shall be completed before graduation.

	Hours
A (1) Mother tongue.....	10
(2) Classics (Greek or Latin).....	10
(3) Modern Language (other than English).....	10
B (4) History	6
(5) Philosophy	6
(6) Economics or Political Science.....	6
C (7) Exact Science (Mathematics).....	6
(8) Physical Science (Chemistry or Physics).....	6
(9) Biology (Botany or Zoology).....	6

Minimum Hours in University of Nebraska—No person shall be eligible who has completed and available for rating less than 64 hours taken in the University of Nebraska. At least 24 of these hours must be in group work.

Subjects Available for Rating—Excepting gymnastics and military drill, all subjects taught in the University of Nebraska shall be available for rating.

Sigma Xi is a similar organization for the encouragement of original investigation in Science, pure and applied.

¹These requirements will be rigidly enforced.

The Order of the Coif is an organization for the promotion of scholarship in Law.

Delta Sigma Rho is a national society organized in 1906 by universities of the West to promote among college students the art of effective public speaking and debate, and its membership is confined to authorized representatives of universities and colleges in inter-collegiate contests in debate or oratory.

Phi Alpha Tau is an inter-collegiate honorary fraternity, organized by members of the University Debating Squad in 1906 to promote the art of public speaking and debate, and confines its membership, which is limited and by election, to students who have exhibited special interest in public speaking and debate and who have shown special aptitude for that work.

Alpha Kappa Psi is a national society organized to foster scientific research in the fields of Commerce, Accounts and Finance.

The Woman's Pan-Hellenic Association offers three gold scholarship medals to women undergraduates of the University: one each to the freshman, the sophomore and the junior having the highest average of her year. The medals are to be awarded in September of each year. All women in the classes named are eligible as candidates.

The Nebraska Branch of the Association of Collegiate Alumnae offers a scholarship of \$100 for 1918-1919 to a woman of either sophomore or junior standing. The applicant must have been, and be at the time of application, in part, or wholly, self-supporting. Applications must be made before June 1.

DEBATING

The University of Nebraska participates annually in two intercollegiate debates. The general object of these contests is to provide students an opportunity to apply, under the stimulus of public competition, what they have learned about the science of argumentation and the science of debate—methods of investigation, analysis, rules of evidence, use of arguments, briefing, etc.

Competition for membership on the teams is open to all students in good standing. The members are chosen in November, under the direction of the University Debating Board, from those students (usually fifteen), appointed in October at an open competition, to membership in the Seminary in Argumentation and Debate (Rhetoric 22).

The annual debates to decide the inter-class championship end at University Convocation on Phi Beta Kappa day in March.

ATHLETICS

The Department of Athletics, under the supervision of Dr. E. J. Stewart, Director and Professor of Athletics, has jurisdiction over all branches of competitive athletics.

The aims of the department are the development of organic power, the basis of vitality, the prerequisite to physical and mental efficiency; to secure and maintain a harmonious muscular development and a reasonable degree of bodily skill and grace; to provide an incentive and an opportunity for every student to secure physical recreation as a balance to the sedentary demands of university life; to conserve the social and moral values of games and sports; to establish high ideals and efficient administration of athletics.

The Grant Memorial Hall and Soldiers' Memorial Hall are used jointly by the Military Department, Physical Education Department and Department of Athletics. On the ground floor are offices, locker-rooms, bath-rooms and store-rooms. On the second floors there are two halls used for purposes of military drill, calisthenics and games.

An athletic field is provided for the use of men students and all inter-collegiate and other games and meets are held there. The field is equipped with two large grandstands, a running track, tennis courts, baseball diamond, football field and other necessary features.

Competitive athletics are not compulsory but optional to all students complying with the scholastic eligibility requirements.

Members of all University athletic teams are required to take a physical examination at the beginning of the college year or at the beginning of the semester in which that training begins.

No student is permitted to participate in competitive games of an inter-collegiate grade unless he is physically fit for the same as determined by the examination. Every precaution is taken to prevent overtraining, exhaustion or unnecessary strain.

The University is a member of the Missouri Valley Athletic Conference and maintains representative teams in all major inter-collegiate sports. No student may be a member of an inter-collegiate team unless he is an amateur athlete and unless he has been in the University a full college year (exclusive of summer session) and unless he shall have passed during the year of residence previous to participation 27 hours of University work.

The inter-collegiate sports are under the government of the athletic board, a committee of six members of the faculty, one alumnus and five students.

All coaches and assistants are members of the University faculty.

LOAN FUNDS

Hon. John R. Webster, of Omaha, Dr. John Alexander Low Waddell, of Kansas City, and Hon. William Gunn Whitmore, of Valley, have given the sum of \$1,000 each to be used as a permanent loan fund for students needing assistance. Mr. Webster's donation applies to all students in the University, while the donations of Dr. Waddell and Mr. Whitmore are limited to students in the Engineering College. The interest received from the loaning of this money goes to increase the fund. The full rules for its administration and application blanks may be obtained from the office of the Secretary. Loans will only be made to students in need of assistance and to those who have been matriculated for at least one full year. Upper classmen will be given preference in the making of loans. The moral character of the applicant, his habits for temperance and industry, and his assiduity and success in his studies will also be determining factors. The amount loaned to one student will, except in extraordinary cases, be limited to \$100 per semester. The note given by the borrower will bear six per cent interest, payable annually; the loan to be wholly repaid two years after the student graduates or leaves school.

Mrs. Ida C. Carter, of New York City, has arranged to give a fund of \$500 to be known as the A. E. Carter Loan Fund, in honor of her husband who was a graduate of the College of Engineering. This fund is available for students of that college only.

PUBLICATIONS

General University Publications. In addition to its annual Calendar and other periodic Bulletins, the University publishes monthly (except July and August) the University Journal, devoted to the relations of the University with the secondary schools of the state and with the University Alumni. General student publications include the Daily Nebraskan, The Cornhusker (annual), and the Students' Handbook (annual). One number of the Bulletin of the University is entitled The High School Manual and is devoted to high school problems.

Departmental or Special Publications are the University studies (see the Graduate College), Studies from the Zoological Laboratory, Reports of the Botanical Survey of Nebraska, the Flora of Nebraska and the Nebraska Geological Survey. The Nebraska Engineering Blue Print is a semi-annual publication by the Engineering Students.

MISCELLANEOUS INFORMATION

Students' Mail sent direct to the University should be addressed "Station A, Lincoln, Nebraska." This United States post-office is in effect part of the University, occupying University Hall 104, convenient to all students.

Board, Room, Employment. The average cost of a year's attendance at the University (not including fees of any kind) is about \$350. Many students reduce this amount. Board and lodging may be had among families of the city. In September the University Y. M. C. A. makes a canvass of the city and keeps on file lists of rooms and boarding places, and maintains an employment bureau. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the University do not, however, undertake to find employment for students. A student is advised not to enter the University unless he can count upon resources for one semester—at least \$150.

The University Cafeteria. The University Cafeteria in the Temple building is open to both men and women of the University. A separate dining hall is provided for the women. This enables the students to obtain wholesome food at a minimum cost.

Convocation. University convocations are held regularly in the Chapel at eleven o'clock Tuesday and Thursday. An interesting address on some important topic of the time or a musical program forms the nucleus of these exercises. Special convocations are called as occasions of importance arise.

Women's Parlors. In Soldiers' Memorial Hall a beautiful parlor has been furnished by members and friends of the University for the use of all women members of the University without reference to religious or other affiliations. Also, a study room open to all University women is provided in the basement of University Hall.

Care of the Sick. The University much needs an infirmary for the care of students when ill. Such students are, however, carefully provided for even at present, on application to the Executive Dean or Dean of Women at whose offices all cases of serious illness should be reported.

Visitors to the University. Visitors are always welcome. High school classes, clubs, or parties should, a few days in advance, inform the Registrar of their coming.

Meetings of State Societies. Many state societies hold their annual meetings at the University. The University is always pleased to extend its hospitality and the use of its buildings to any of these or to any similar organization.

The Alumni Association, organized in 1874, is composed of the graduates of the University, including graduates receiving higher degrees. The annual meeting is held a day or two before Commencement Day in the spring. A secretary has been secured who is now giving full time to the work of the Association.

STUDENT COUNCIL CONSTITUTION

The following Student Council Constitution was adopted by vote of the student body, May 25, 1917:

Article I. The name of this organization shall be the Student Council of the University of Nebraska.

Article II. The purpose of this organization shall be the relating of all extra-curricula activities to one another and to the University as a whole; the creation of such other expressions of student life as shall supplement those already established; the direction of such other matters of student interest as shall be initiated by or referred to the Student Council. The council shall also act as a student court to investigate and make recommendations in such cases of minor discipline as shall be referred to it by the executive dean and the dean of women.

Article III. The council shall be composed of the following representatives:

1. Eleven members apportioned as follows:

- a. Six junior men, one each from the college of agriculture, arts and sciences, engineering, law, and pharmacy,—and one from the school of commerce.
- b. Four junior women, one each from the colleges of agriculture and arts and sciences, one from the school of fine arts, and one from the teachers college.
- c. One man or woman from the graduate college.

These eleven representatives shall be nominated from the floor at a mass meeting of their own college or school held at a time set by the Student Council, and shall be voted upon by the members of their own college or school at the regular Student Council election, the time of which shall be set by the Student Council.

2. Four seniors—two men and two women—nominated from the floor at a mass meeting of the senior class and elected by the student body at the regular Student Council election.

At the first election for members of the Student Council this number shall be increased to eight seniors—four men and four women—the additional four members to take the place of those provided for in Article 3 following.

3. Four seniors—two men and two women—nominated and elected by the Student Council from the junior members of that body, to serve during the following year.
4. The sophomores who shall be non-voting members.

The highest man and highest woman officer of the freshman class chosen at the second semester class election shall serve in this capacity.

Article IV. The regular Student Council election shall be held not earlier than April 1st and not later than May 15th of the year preceding that in which members are to serve. Within these limits the date for election shall be set by the Student Council. Voting shall be by preferential ballot. Mass meetings for nominations shall be held at least one week before the election.

Article V. Candidates to be eligible for election shall be members of the specific school or college and class as determined by the regular University rulings in such cases, and shall have a scholastic average of at least 75 per cent for the preceding semester.

Article VI. A meeting of the newly elected Student Council shall be called by the outgoing chairman within one week after the election day.

At the establishment of the Student Council the first meeting shall be called by the senior receiving the highest number of votes.

At this meeting the necessary officers shall be elected and the organization of the council perfected. A chairman and vice-chairman—one of whom shall be a man and the other a woman—shall be chosen in order to provide a chairman for separate men's and women's section at such times as shall seem expedient.

Article VII. Mass meetings of students shall be called by the chairman of the Student Council at the discretion of the council, or upon the written request of fifty students of the University.

Article VIII. Amendments to this constitution or revisions of it may be presented to students in mass meeting assembled, and upon a majority vote of those present, shall be submitted for adoption to the student body at an election called for that purpose.

CLASS ELECTIONS

The following resolution regarding class elections was adopted by the four classes of the University in 1912. This applies only to regular students of undergraduate rank. It does not apply to Adult Special students.

"Resolved, That the Presidents of the four classes, the Ivy Day Orator, and the Editor-in-Chief, Managing Editor, and Business Manager of the Cornhusker be elected by the Australian Ballot System as follows:

ARTICLE I

"There shall be one general election by this system the third Tuesday of each semester, exclusive of Registration week, at which election the Presidents of the four classes shall be elected. The Ivy Day

Orator, Editor-in-Chief, Managing Editor and Business Manager of the Cornhusker shall be elected at the general election of the second semester.

ARTICLE II

"The Registrar shall designate the place of election. The polls shall be in charge of three faculty members appointed by the Registrar. Each candidate may have a representative at the polls during the election.

ARTICLE III

"Each voter shall check the name of the candidate or candidates for whom he wishes to vote on a ballot furnished him by the election officials which ballot shall then be deposited by the election officials in its respective box. There shall be a separate ballot for each class. At the close of election the ballots shall be counted by the election officials.

ARTICLE IV

"No vote shall be solicited by cards or otherwise at the polls or in the building in which the election is being held during election day.

ARTICLE V

"Each candidate must file his name with the Registrar not later than five (5) P. M. on Friday prior to the day of election. The Registrar shall announce the election in the columns of the Daily Nebraskan ten (10) days prior to the day of election.

ARTICLE VI

"(a) Any student having the full number of entrance credits properly distributed as required by the University and less than twenty-four (24) hours University credits, shall be considered a freshman.

"(b) Any student having from twenty-four (24) up to, but excluding fifty-three (53) hours credit in addition to the full number of entrance points as above named, or any freshman in a three year College having thirty (30) entrance credits, shall be considered a sophomore.

"(c) Any student having from fifty-three (53) up to, but excluding eighty-nine (89) hours credit, or any second year man, by credit, in a three year College, shall be considered a junior.

"(d) Any student having from eighty-nine (89) up to, but excluding graduation, or any third year man, by credit, in a three year College, shall be considered a senior.

"(e) During the second semester of each year, eighteen (18) hours shall be added to each and every one of the foregoing figures.

ARTICLE VII

"The above and foregoing provisions are subject to recall for cause, by the University Senate on one semester's notice."

RULES AND REGULATIONS GOVERNING STUDENTS

The proper University authorities have established several definite rules and regulations for the government of student conduct and activities within the University. Each student is expected to familiarize himself with these rules and is held responsible for compliance with their provisions. (For the rules of the Librarian, the Committee on Students' Organizations, etc., inquire at the office of the Registrar.) The rules and regulations are as follows:

Registration

1. A candidate for admission to any of the colleges or schools of the University must forward his entrance credentials to the Registrar. This should be done at least two months in advance of the opening of the semester. Credentials submitted for evaluation become the property of the University and are retained in our permanent file as the basis on which statement of standing is given. On receipt and evaluation of the credentials the candidate will be informed of his standing and as soon as possible definite instructions regarding the various steps in registering will be mailed in order that the candidate may know in advance just what will be required of him when he presents himself for registration. Upon arrival at the University the candidate presents himself at the Registrar's office, Administration Hall 103 or elsewhere as directed, for instructions regarding registration. Registration is governed by certain regulations and restrictions in each College and School of the University, and those of the College the candidate expects to enter should be studied carefully before the work of registration is undertaken.

2. Each student¹ should register at the Registrar's office at the beginning of each semester on one of the days set apart for registration. To promote prompt registration a fee of three dollars (\$3) is charged a student, who, unless permitted to do so by the Registrar, for any reason seeks to register later. A fee of fifty cents (\$0.50) is charged for re-registration if made necessary by the student's fault. Any change whatever in registration once made, dropping or adding a study, is regarded as a re-registration.

¹Freshmen schedules are arranged for the year. Their registration for the second semester is, in general, merely a formality consisting in the payment of the necessary fees.

3. All fees must be paid to the Secretary of the University before the registration is complete. The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

4. No first or second year student (freshman or sophomore) may register for more than five subjects (exclusive of drill or physical training). No first year student may register for more than 17 credit hours. Students above first year who have attained an average grade of 80 per cent during the previous year may register for a maximum of 18 credit hours. No first or second year students may register for more than one one-hour course (exclusive of drill and physical training) in any one semester; and no third or fourth year student may register for more than two one-hour courses in one semester.

5. A student who fails in a required subject must register for that subject again the first time it is offered.

A student who is conditioned ("C") or incomplete ("I") in a subject must remove the condition or incomplete by the end of the first semester in which that subject is again offered or it becomes a failure.

6. A student cannot attend a class for which he is not registered. The official certificate of registration, signed by the Registrar, is the only evidence of registration to be accepted from the student by an instructor. Credit is not granted for a subject pursued without registration.

7. No student is allowed to change from one group of studies to another or from one college to another without written permission by the Dean of each College concerned. A student changing college must also pay a new matriculation fee of five dollars (\$5).

8. A student who, by virtue of special circumstances, is allowed to register for less than the minimum twelve (12) hours required of regular students, receives this permission only for such time as the special conditions continue. No person is allowed to abuse the privilege of registering as a special student to secure merely nominal membership in the University, whether for social purposes or for any other reason.

9. Every detail of registration and record from the time the student leaves the high school until he graduates from the University, together with the interpretation of all the rules relating thereto and the publication of the same, are under the supervision of the Registrar, who is responsible directly to the Chancellor.

Military Science and Physical Training

10. Each undergraduate man in the University proper is required to receive military instruction during four semesters. Each man in the School of Agriculture shall receive military instruction during his attendance. Excuses from this requirement are granted to either class of students only on the grounds of conscientious scruples, physical disability, or other reasons equally valid. Such excuses shall be granted only upon written application to the commandant of cadets, in whom shall be vested the power to decide such cases. Such decisions may be appealed to the Executive Dean only on presentation by the student of a written statement from the commandant, containing the facts in the case and the reason for refusing to grant the excuse. New students entering with 32 college hours advanced standing are required to take only one year of Military Drill (Men) or Physical Education (Women). Those entering with 64 college hours advanced standing are required to take no Military Drill or Physical Education. All men over 31 years of age are excused from drill. All men taking not to exceed 6 hours work in the University are excused from drill. Military science service is not required from non-matriculated students attending the short courses in agriculture.

11. Those excused for religious scruples are required to do work in Physical Education equivalent in amount. Unless excused or reprieved, each undergraduate man must fulfill this requirement in his freshman and sophomore years. A man excused from this requirement (whatever the reason) must still, in order to graduate obtain the full number of hours credit required of other candidates for the degree sought. Thoro drill elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

Candidates for appointment to office in the Cadet regiment must satisfy the scholastic requirements of the Department of Military Science.

All undergraduate women students of the University must fulfill the requirements in physical training in the freshman and sophomore years unless reprieved or excused.

12. Regular attendance is required at all recitations, laboratory and field work.

13. Temporary leave of absence may be granted a student by the Dean of his College. This leave of absence is not an excuse from any work. Students not previously excused shall make request for excuse for absence within two weeks after the absence ceases.

14. Each unexcused absence in any subject may, in the discretion of the instructor, deduct three points from the student's semester grade in that subject.

Examinations—Class Work

15. Examinations or tests in every class in the University are held at the option of the instructor. Final examinations shall be held during the last week of the semester. Individual examinations can not be demanded by the student as a matter of right. Such examinations are permitted, if at all, only as a matter of comity. They are given by the permission and at the convenience of the instructor after the regular examination of the class or section. The instructor's permission being obtained, the student desiring individual examination must pay the required fees to the Secretary. On presentation of a receipt therefor to the instructor, the latter is authorized to proceed with the examination.

16. No student is allowed to take any book or paper into the examination room unless the instructor expressly so directs.

17. Sessions of class work of each semester shall be held regularly till 6 p. m. of the Friday preceding the last week of the semester unless otherwise provided by special rule.

Reports—Standing

18. On the attendance and standing of each student in each course the instructor makes the following regular reports:

To the Executive Dean:

A. At the end of each week he reports the absences for the week and all cases of delinquency.

B. At the middle of the semester he reports all students who are below a passing grade as shown by class-room work and the mid-semester examination or test.

To the Registrar:

C. At the end of the semester he reports the proficiency each student has attained. All grades above passing (60)¹ are reported to the Registrar in figures, either in straight percentages or in multiples

¹See statement concerning "grades" in the Bulletin of the College of Arts and Sciences and "The University Teachers' Certificate" in the Teachers College and The Bulletin of the College of Law.

of five. Below passing the following are the markings: F—Failure (below 50); C—Conditioned; I—Incomplete. Also, A—Withdrew in good standing; D—Delinquent at time of withdrawal.

Honorable Dismissal

19. Students not minors being in good and honorable standing may secure honorable dismissal from the University at their own request, and minors at the request of parents or guardians.

Discipline

20. Whenever at the middle or end of any semester a student is delinquent in half or more of his hours of registration, his name is automatically dropped from the rolls of the University. Such delinquent student may be reinstated by the Committee on Delinquent Students. A student may be refused registration, suspended, or expelled for infringing the good order and comity of the University, as by dishonesty in written work, the acts inhibited in sections 21 to 24 below, or any conduct injurious to the work or the good name of the University.

21. A student who is delinquent in two or more subjects but less than one-half of his work is placed on probation.

22. The case of any student detected in dishonestly giving or receiving aid during an examination must be immediately reported to the Executive Dean by the instructor in charge of the examination or by the head of the department with a succinct account of the evidence in the case. In cases of clear guilt the Dean affixes penalties in accordance with deserts.

Dishonesty in written work, themes, essays, reports, theses and the like, is treated in the same way as dishonesty in examinations. The turpitude consists in the presentation as one's own work or results really borrowed in whole or in part from another.

23. Students must not frequent gaming houses or saloons, or brothels, or engage in gambling, or use intoxicating drinks, or do any other acts inconsistent with good morals.

24. A student must not neglect a call of any University official or Committee.

25. Whenever a student is dropped from the University on account of vicious or wanton delinquency his name is published.

Petitions—Appeals

26. The rights of respectful petition and of appeal to the Chancellor are granted.

27. No extraordinary meetings of students shall be held on the University grounds or within any University buildings for any pur-

pose whatever, except after and in pursuance of a written or printed notice or call stating clearly the business of such meeting. Said notice must be signed by at least three students, approved in the Registrar's office, and be posted openly on the University bulletin board. Such meetings shall always be open and subject to immediate adjournment by the Chancellor or Executive Dean in case of disorder.

Boards of Control

28. The University Athletic Board, composed of six faculty members, one alumnus, and five student members elected annually, controls athletics in the University.

29. The University Debating Board, composed of seven faculty members (ex-officio) and of five student members elected annually, supervises all public debates between students of the University and other institutions.

30. The Student Publication Board, composed of five faculty members and three student members, has general oversight over all publications by University students.

Organizations, Social Functions

31. All non-athletic organizations and social functions are under the supervision of the Senate Committee on Student Organizations, which may enact such special rules, subject to the Chancellor and the Board, as it may deem necessary for the proper control of such organizations and functions. Organizations coming into financial relations with the public shall submit their accounts to this committee for audit.

32. A new fraternal or similar organization is required to secure, first, the consent of the Senate Committee on Student Organizations, and, second, final approval of the Chancellor.

33. No person registered in any secondary school of the University shall become a member of any fraternity or sorority.

34. A student who, in any semester, is not satisfactorily carrying at least twelve (12) hours is debarred from acting as departmental assistant or representing the University that semester on any athletic or debate team or board, on a glee, mandolin or dramatic club, on the staff of any college publication or in any other University organization; moreover, a student who fails to pass in twelve (12) hours at the end of a semester is debarred from representing the University in any capacity the semester following. In case a student in any of the above named student enterprises fails, any semester, to carry satisfactorily the work or any part thereof for which he is registered, the Committee on Delinquent Students may at its discretion lessen the hours of such student's registration.

35. Women students in the University shall not take part in out-of-town performances such as dramatic and glee club presentations, elocution recitals, etc., during the regular sessions of the University, and at other times only after permission is granted by the Committee on Student Organizations and Social Functions.

36. All University functions, including athletic contests on home grounds and social gatherings of departmental clubs, shall be held on Friday evening and Saturdays.

All meetings of University clubs and organizations holding later than 8 p. m. shall occur on Friday and Saturday evenings, except by special permission of the Committee on Student Organizations.

All University parties, formal or informal, shall close not later than 11:30 p. m.

All parties where women are present shall be officially chaperoned. Notice of such parties shall be given to the Dean of Women and the names of the chaperones submitted to her for approval at least two days in advance. At all entertainments not given in private homes or organization houses, members of the University faculty are to be included among the guests invited to chaperone the parties.

Social Customs

37. The residence of men and women in the same lodging house is not approved, and is not permitted unless the circumstances are unusual. In this case, written permission must be granted by the Dean of Women.

38. A landlady rooming women students is expected to provide for their use, till half after ten on Friday, Saturday and Sunday evenings, or on two of these evenings, a reception room on the first floor, properly warmed and lighted.

Women students in these houses will receive gentlemen callers only on the evenings named and only in the reception rooms. Gentlemen will take notice and govern themselves accordingly.

Library and Use of Books

39. Any student regularly registered may borrow for not more than two weeks any books not excepted from circulation.

The following classes of books are not circulated: Reference books shelved in reading room; periodicals, whether bound volumes or current numbers.

Books especially reserved for class use may not be taken out except over night.

There is no provision for a student borrowing from departmental libraries.

A student leaving Lincoln for more than one week must, on or before leaving, return all the library books in his possession.

Infractions of the library rules will be dealt with in accordance with the recommendation of the librarian.

Announcements

40. Any official University announcement or notice is considered as duly published and as binding upon all students when it is placed upon the official bulletin board or when it is announced at convocation.

41. All signs, posters and announcements will be confined to the bulletin boards and must be approved by the Registrar. No signs, posters of announcements of any sort will be permitted on the fences in or surrounding the campus, on doors of buildings, on the benches or on any other University property except the bulletin boards.

42. No private advertising announcements can be placed upon any of the University bulletin boards, nor is it permissible to give out handbills or cards of any kind at the gates of the campus.

The College of Agriculture

OFFICERS OF ADMINISTRATION AND INSTRUCTION

¹SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University. Administration Hall. City Campus.

WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University. Administration Hall. City Campus.

EDGAR ALBERT BURNETT, D. Sc., Dean of the College of Agriculture, Director of the Nebraska Experiment Station. Agricultural Hall 203.

CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean. Administration Hall. City Campus.

FLORENCE IRWIN McGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*) Administration Hall. City Campus.

²MARY CATHERINE GRAHAM, A. B., Dean of Women.

AMANDA HENRIETTA HEPPNER, A. M., Acting Dean of Women. Administration Hall. City Campus.

CHARLES WILLIAM PUGSLEY, B. Sc., Director of Extension Service in the College of Agriculture and Professor of Agricultural Extension. Agricultural Hall 102.

LAWRENCE BRUNER, B. Sc., Professor of Entomology and State Entomologist. (*Head of Department of Entomology.*) Plant Industry Hall 208.

EDWIN MEAD WILCOX, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station. (*Head of Department of Plant Pathology and Physiology.*) Plant Industry Hall 304.

LEON WILSON CHASE, M. E., A. E., Professor of Agricultural Engineering. (*Head of Department of Agricultural Engineering.*) Agricultural Engineering Hall.

JULIUS HERMAN FRANDSEN, M. S. A., Professor of Dairy Husbandry. (*Head of Department of Dairy Husbandry.*) Dairy Industry Hall 208.

HARRY ELWYN BRADFORD, A. M., Principal of the School of Agriculture and Professor of Secondary Agricultural Education. (*Head of Department of Secondary Agricultural Education.*) Agricultural Hall 207.

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conserva-*

¹Absent on leave from February 1 to September 1, 1918, in war service.

²Resigned.

- tion.) Director, State Conservation and Soil Survey. Nebraska Hall 105.
- ¹ALICE MARIE LOOMIS, A. M., Professor of Home Economics. (*Head of Department of Home Economics.*)
- WILLIAM PATTON SNYDER, M. S., Superintendent of Experimental Substation, North Platte.
- ²SAMUEL MINTER PARKER, Captain of Infantry, U. S. Army, Commandant of Cadets and Professor of Military Science and Tactics. (*Head of Department of Military Science and Tactics.*)
- FRED WILBERT UPSON, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*) Chemistry Hall 107.
- HORACE CLYDE FILLEY, A. M., Professor of Farm Management. (*Head of Department of Farm Management.*) Farm Management Hall 203.
- ROBERT FRANCIS HOWARD, A. M., Professor of Horticulture. (*Head of Department of Horticulture.*) Plant Industry Hall 105.
- WILLIAM WESLEY BURR, B. Sc., Professor of Agronomy. (*Head of Department of Agronomy.*) Experiment Station Hall 109.
- HOWARD JOHN GRAMLICH, B. Sc., Professor of Animal Husbandry. (*Head of Department of Animal Husbandry.*) Stock Judging Pavilion 201.
- RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*) Bessey Hall 210.
- LEUNIS VAN ES, M. D., V. S., Professor of Animal Pathology and Hygiene. (*Head of Department of Animal Pathology and Hygiene.*) Veterinary Hall.
- HARRIS LEE ROBERTS, Colonel U. S. Army, retired. Commandant of Cadets and Professor of Military Science and Tactics. (*Head of Department of Military Science and Tactics.*) Plant Industry Hall.
- JAMES HARRISON GAIN, M. D. C., Professor of Animal Pathology. Veterinary Hall.
- THEODORE ALEXANDER KIESSELBACH, A. M., Professor of Agronomy. Plant Industry Hall 202.
- GEORGE ANDREW LOVELAND, A. M., LL. B., Professor of Meteorology and Section Director United States Weather Bureau. Brace Laboratory.
- ³CYRUS VANCE WILLIAMS, A. M., Superintendent of the Nebraska School of Agriculture, Curtis.

¹Absent on leave.

²Resigned.

- MYRON HARMON SWENK, A. M., Professor of Economic Entomology and Assistant State Entomologist. Plant Industry Hall 206.
- ERWIN HOPT, B. Sc., Professor of Agronomy. Dairy Industry Hall 305.
- HARLEY MARTIN PLUM, Ph. D., Professor of Chemistry. Chemistry Hall 317.
- ¹GEORGE KONRAD KARL LINK, Ph. D., Professor of Plant Pathology and Physiology.
- JOHN ERNST WEAVER, Ph. D., Professor of Ecology. Bessey Hall 121.
- FRANK E. MUSSEHL, B. S., Professor of Poultry Husbandry. Farm Management Hall 105.
- ALLAN PARK DAVIDSON, B. Sc., Superintendent Nebraska School of Agriculture, Curtis.
- JULIA VANCE, A. B., B. Sc., Associate Professor of Home Economics. (*Acting Head of Department of Home Economics.*) Home Economics Hall.
- ²LAZELLE BRANTLY STURDEVANT, A. M., M. D., Associate Professor of Animal Pathology.
- NELS AUGUST BENGTSON, A. M., Professor of Geography and Conservation. Nebraska Hall 108.
- GEORGE WILLIAM HOOD, M. S. H., Associate Professor of Horticulture. Plant Industry Hall 102.
- LAURENCE FROYD SEATON, B. Sc. in M. E., Professor of Agricultural Engineering. (*Acting Head of Department of Mechanical Engineering.*) Mechanical Engineering Building 203.
- ELDA REMA WALKER, Ph. D., Associate Professor of Botany. Bessey Hall 214.
- LEVA BELLE WALKER, A. M., Associate Professor of Botany. Bessey Hall 314.
- ²JOHN RALPH COOPER, B. Sc., Associate Professor of Horticulture.
- ²EDWIN GARVER WOODWARD, A. M., Associate Professor of Dairy Husbandry.
- ELMER EUGENE BRACKETT, B. Sc. in E. E., Associate Professor of Agricultural Engineering. On leave. First Lieutenant, Aviation Section, Signal Reserve Corps.
- ²ARTHUR EUGENE ANDERSON, A. B., State Leader in charge of County Agent Work. (*Extension Service in co-operation with U. S. Department of Agriculture.*)
- ²SIMON WAYNE ALFORD, D. V. S., Superintendent of the Serum Plant.

¹Absent on leave.

²Resigned.

- MAUD MATHES WILSON, B. Sc., Leader Home Economics Section and Associate Professor of Home Economics. (*Extension Service in co-operation with U. S. Department of Agriculture.*) Agricultural Hall 109.
- ¹MATTHEW ELLIS DICKSON, B. Sc., Associate Professor of Poultry Husbandry.
- LEWELLYN TERRY SKINNER, B. Sc., Assistant to the Director and Associate Professor of Agricultural Extension. (*Extension Service in co-operation with U. S. Department of Agriculture.*) Agricultural Hall 102.
- CHARLES ELLSWORTH GUNNELS, B. Sc., State Leader in charge of County Agent Work. (*Extension Service in co-operation with U. S. Department of Agriculture.*) Agricultural Hall 104.
- PORTER L. GADDIS, B. Sc., Associate Professor of Agronomy. Experiment Station Hall.
- FRANKLIN DAVID KEIM, B. Sc., Associate Professor of Agronomy. (*Extension Service.*) Experiment Station Hall 109.
- HENRY W. THURSTON, Jr., B. S., Associate Professor of Plant Pathology and Physiology. Plant Industry Hall.
- HERBERT E. EASTLACK, Ph. D., Associate Professor of Chemistry.
- ¹HORACE JAMES YOUNG, B. Sc., Assistant Professor of Agronomy.
- ALVA ALDUS BAER, A. B., Assistant Professor of Agricultural Engineering. Agricultural Engineering Hall.
- ERNEST HERMAN HOPPERT, B. Sc., Assistant Professor of Horticulture. (*Extension Service.*) Plant Industry Hall 105.
- JOHN WILLARD CALVIN, B. Sc., Assistant Professor of Agricultural Chemistry. On leave. Lieutenant, Base Hospital Unit.
- ALVA RAYMOND DAVIS, A. B., Ph. D., Assistant Professor of Plant Physiology. On leave. Captain, Coast Defense, Ordnance Office.
- RALPH WARD DAWSON, B. Sc., Assistant Professor of Entomology. Plant Industry Hall 203.
- ¹HAROLD BROCKWAY PIER, B. Sc., Assistant Professor of Animal Husbandry.
- ¹RUSSELL RICHARD SPAFFORD, B. Sc., M. A., Assistant Professor of Farm Management. Farm Management Hall 202.
- OSCAR WARNER SJOGREN, B. Sc. in A. E., Assistant Professor of Agricultural Engineering. Agricultural Engineering Hall.
- EVAN LISTON JENKINS, B. S., M. S., Assistant Professor of Animal Husbandry. Judging Pavilion 205.
- MARGARET SOPHIE FEDDE, A. B., Assistant Professor of Home Economics. Home Economics Hall.

¹Resigned.

- ¹THEODORE THORSON, B. Sc., Assistant Professor of Dairy Husbandry. Dairy Industry Hall.
- KATHERINE CRANOR, B. Sc., Diploma Academy DeCoupe, Paris, France, Assistant Professor of Home Economics. Home Economics Hall.
- CURRY WATHAN WATSON, B. Sc., A. M., Leader Junior Section and Assistant Professor of Agricultural Extension. (*Extension Service in co-operation with U. S. Department of Agriculture.*) Agricultural Hall 108.
- EMMA NATHALIA ANDERSEN, A. M., Assistant Professor of Plant Pathology and Physiology. Plant Industry Hall 304.
- EDWIN HENRY KRAUSE, B. Sc., Assistant Professor of Dairy Husbandry. (*Extension Service in co-operation with U. S. Department of Agriculture.*) Dairy Industry Hall 208.
- ¹JULIA EMELINE LOUGHRIDGE, A. B., Assistant Principal of the School of Agriculture and Assistant Professor of Mathematics in the School of Agriculture.
- MARY VIRGINIA ZIMMER, A. B., Assistant Principal of the School of Agriculture and Assistant Professor of Mathematics in the School of Agriculture. Agricultural Hall 207.
- FLORA BULLOCK, A. M., Assistant Professor of English in the School of Agriculture. Agricultural Hall 301.
- IVAN DALEY WOOD, A. M., Assistant Professor of Agricultural Engineering. (*Extension Service.*) On leave. Second Lieutenant, Aviation Section, Signal Reserve Corps.
- DAVID HENRY PROPPS, B. Sc., Assistant Professor of Dairy Husbandry. (*Extension Service in co-operation with the U. S. Department of Agriculture.*) Dairy Industry Hall.
- KENNETH FISHER WARNER, A. M., Assistant Professor of Animal Husbandry. (*Extension Service.*) Stock Judging Pavilion.
- WILLIAM BARBOUR NEVENS, B. S., M. S., Assistant Professor of Dairy Husbandry. Dairy Industry Hall 208.
- ARTHUR WALTON MEDLAR, B. Sc., A. M., Assistant Professor of Farm Management. Farm Management Hall 201.
- JOHN LUITHLY, Assistant Professor of Dairy Husbandry.
- J. W. ROVNER, Assistant Professor of Dairy Husbandry.
- EMMA REED DAVISSON, in charge of Home Economics Extension Work with Women's Clubs. (*Extension Service in co-operation with U. S. Department of Agriculture.*) Agricultural Hall 109.
- MARY ANN ROKAHR, A. B., Assistant State Leader of Home Demonstration Agents. (*Extension Service in co-operation with the U. S. Department of Agriculture.*) Agricultural Hall 109.

¹Resigned.

- ¹FLOYD WAMBEAM, B. Sc., Agricultural Editor.
- ROBERT ELLSWORTH HOLLAND, B. Sc., Assistant County Agent Leader. (*Extension Service in co-operation with the U. S. Department of Agriculture.*) North Platte.
- JOHN L. GILMORE, B. Sc., Assistant County Agent Leader. (*Extension Service in co-operation with the U. S. Department of Agriculture.*) Valley.
- ¹ROBERT PLATT CRAWFORD, A. B., Agricultural Editor. Agricultural Hall 204.
- ¹MARY-ELLEN BROWN, B. Sc., Instructor in Home Economics.
- CLARE BROWN CORNELL, Ph. D., Instructor of Cadet Band.
- ¹MARY STANDERWICK VAN KIRK, Instructor in Home Economics.
- ¹EARL GEORGE MAXWELL, A. M., Instructor in Dairy Husbandry.
- ELMER LAMONT RHOADES, B. Sc., Instructor in Farm Management. (*Extension Service.*) Farm Management Hall 201.
- ¹LEILA F. CORBIN, Instructor in Home Economics.
- CLARA JEANETTE NELSON, A. B., Instructor in Geography.
- ¹ROBERT CANN HIBBEN, B. S., Instructor in Dairy Husbandry.
- ¹WILLIAM RABAK, B. Sc., Ph. G., Instructor in Agricultural Chemistry.
- SARAH W. CANFIELD, A. B., Instructor in Home Economics. Home Economics Hall.
- RUTH CURTISS, B. Sc. in H. E., Instructor in Home Economics. Home Economics Hall.
- THEODORE TUNISON BULLOCK, A. M., Instructor in Economics. University Hall 101.
- IDA AHRENS, B. Sc., Instructor in Home Economics. Home Economics Hall.
- ARTHUR ANDERSON, B. Sc., Instructor in Agronomy. Dairy Industry Hall 307.
- IRMA G. BOWEN, Instructor in Home Economics. Home Economics Hall.
- ELISABETH LACEY, A. B., B. S., Instructor in Home Economics. Home Economics Hall.
- GLAIDETH GAINEVERE DENNY, A. B., Instructor in German and History in the School of Agriculture. Agricultural Hall 304.
- RUTH ODELL, A. B., Instructor in English in the School of Agriculture. Agricultural Hall 302.
- ASTRED ALTHEA KJELSON, B. Sc., Instructor in Home Economics in the School of Agriculture. Home Economics Hall.
- LETA BLANCHE LINCH, A. B., Supervisor of Practice Teaching in Home Economics and Instructor in the School of Agriculture. Home Economics Hall.

¹Resigned.

- MATHILDA KATHERINE PETERS, B. Sc., Instructor in Home Economics in the School of Agriculture. Home Economics Hall.
- MINNIE FRIED WATSON, Instructor in Normal Training in the School of Agriculture. Agricultural Hall 303.
- JESSE FRANKLIN HENDRICKS, A. M., in charge of Farm Management Demonstrations. (*Extension Service in co-operation with U. S. Department of Agriculture.*)
- ESTHER L. ORD, B. Sc., Instructor in Home Economics. (*Extension Service.*)
- CLARENCE E. MICKEL, B. Sc., Instructor in Entomology. (*Extension Service.*)
- ADA B. JOHNSON, B. Sc., Instructor in Home Economics. (*Extension Service.*)
- MABEL STERNE, B. Sc., Instructor in Home Economics. (*Extension Service.*)
- WALTER ELSWORTH HAGER, B. Sc., Instructor in Physics in the School of Agriculture. Experiment Station Hall 207.
- WILLIAM E. ANDERSON, B. Sc., Instructor in Chemistry. Experiment Station Hall.
- BENJAMIN HARRISON THOMPSON, B. Sc., Instructor in Dairy Husbandry. Dairy Industry Hall.
- GLADYS WEIL SIMMONS, A. B., Instructor in Mathematics in the School of Agriculture. Agricultural Hall 305.
- EDNA ELCENIA PERRIN, A. B., Supervisor of Study Room and Adviser to Girls in the School of Agriculture. Plant Industry Hall 110.
- ¹LEONARD OWEN VOSE, M. A., Instructor in Agricultural Chemistry. Experiment Station Hall.
- ALVA WILSON, A. M., District Supervisor of Agricultural Agents. County Agent Division. (*Extension Service in co-operation with the U. S. Department of Agriculture.*)
- EDNA CLARA NOBLE, B. L., Library Assistant in charge of University Farm Library. Agricultural Hall.
- ESTHER SANFRIEDA ANDERSON, M. A., Assistant in Geography. Nebraska Hall.
- ¹PAUL HESDEN STEWART, B. Sc., Assistant in Agronomy. Dairy Industry Hall.
- ¹WYLIE R. WARD, B. Sc., Assistant in Agronomy. Dairy Industry Hall.
- ¹ESTELLA MAY ELLISON, Assistant in Home Economics. Home Economics Hall.

¹Resigned.

- MARY RODDY, A. B., Assistant in Home Economics. Home Economics Hall.
- FREDERICK GUSTAVE GROSSART, Landscape Gardiner.
- MARGARETE META KUNDE, B. Sc., Assistant in Physiology in the School of Agriculture. Veterinary Building.
- IDA LOUISE WHITE, A. B., Assistant in Physical Education in the School of Agriculture.
- ARTHUR W. INGERSOLL, B. Sc., Assistant in Chemistry. Experiment Station Hall.
- EDNA DeETTE GREEN, Assistant in Entomology. Plant Industry Hall.
- ELBERT LLOYD TAYLOR, B. Sc., Assistant in Farm Management, Demonstration work. (Extension Service.)
- MARTIN N. LAWRITSON, Assistant in Dairy Husbandry.
- HELEN B. DAVIS, Assistant Chemist of the Experiment Station.
- WILLIAM J. RUNNALLS, Instructing Mechanic in Agricultural Engineering. Agricultural Engineering Hall.
- LEWIS RUNNALLS, Instructing Mechanic in Agricultural Engineering. Farm Machinery Hall.
- SARAH LOUISE VINING, Supervisor of Cafeteria. Home Economics Hall.
- JAMES COWAN, M. E., Superintendent of Experimental Substation, Valentine.
- JAMES A. HOLDEN, B. Sc., Superintendent Experiment Substation, Mitchell.
- SENATOR WILLIS PERIN, Farm Superintendent. Agricultural Hall 204.

Standing Committees of the Faculties

- Course of Study—Professors Bradford (chairman), Bruner, Wilcox, Chase, Frandsen, Loomis, Howard, Bengtson, Upson, Filley, the Dean.
- Schedule of Classes—Professors Chase (chairman), Bradford, Zimmer, the Registrar.
- Advanced Standing—The Chancellor (chairman), the Dean, the Inspector of High Schools.
- Student Activities—Professors Frandsen (chairman), Wilcox, Howard, Gramlich, Loomis, Heppner, Hopt.

²Resigned.

PURPOSE OF THE COLLEGE OF AGRICULTURE

The College of Agriculture was established by an act of the legislature of 1909, reorganizing the colleges within the University. The purpose of this college is (1) to provide thoro instruction in the technical agricultural sciences, (2) to aid in the promotion of agriculture thru its secondary Schools of Agriculture, its Experiment Stations, and its Agricultural Extension work, and (3) to promote household arts thru its department of Home Economics.

GROUPS OF STUDY

The General Agricultural Group meets the needs of those students who wish to prepare themselves for the pursuit of scientific investigation along some line of agriculture, such as agricultural chemistry, agronomy, animal husbandry, animal pathology, dairy husbandry, entomology, horticulture, plant pathology and physiology, and other technical subjects related thereto. This group should also appeal to those who desire to prepare themselves for teaching in high schools or in agricultural colleges and who desire agricultural training to meet the demands of the schools requiring that instruction be given in agriculture. As a course in general education for students who expect to follow business pursuits or to continue still further the study of some technical agricultural subject, this course is offered as a suitable foundation.

The Agricultural Practice Group (a two-year course leading to a certificate of proficiency in agriculture upon completion).

This course is intended to meet the need of those students who desire to return to the farm and who can spend only two years in college work. The course is almost wholly a study of practical agriculture.

The student may register in the five principal agricultural departments during his first term in college and may continue this practical work thru the entire two years.

Upon completing the course and satisfying the requirements in practical farm experience, a certificate will be granted for proficiency in practical agriculture.

Should the student desire to continue in college more than two years, he must then enter the General Agricultural Group and complete the science requirements before continuing in his agricultural subjects.

Persons choosing the Agricultural Practice Group will find it to their advantage to live near the University Farm, since all of this work will be offered at the Farm campus. The student will not be required to go to the City campus for any work except for registration at the beginning of the semester.

The Home Economics Group leads to the degree of Bachelor of Science in Home Economics. Besides those subjects which have to do

especially with the home, it includes studies in science, language, history and other branches affording a good general education. This department is housed in Home Economics Hall, situated on the University Farm campus.

Students in this group carry their academic courses on the City campus and for their convenience as many of the lectures as possible are given there.

FACILITIES FOR INSTRUCTION

To illustrate properly the work in the various departments in agriculture, the college is provided with a farm of 480 acres which is used for experimental purposes and to illustrate methods in farm practice, showing the effect of rotations and methods of treatment on the physical and chemical properties of the soil and on its productiveness. The department of Horticulture maintains an extensive orchard and garden for demonstrating horticultural methods and practices. The departments of Animal Husbandry and Dairy Husbandry keep extensive herds for instruction in types of farm animals. The agricultural plant, aside from lands, consists of eight main buildings and several barns and accessory buildings to complete the work and efficiency of the plant. Agricultural Hall is used for administration, library, and general classrooms. Experiment Station Hall furnishes laboratories for Soils, Physics and Agricultural Chemistry. The Judging Pavilion furnishes stock judging laboratories and grain judging laboratories, with exceptional facilities for work. The new Agricultural Engineering Building, which has been under construction for the past year, is nearly completed. It will be extensively equipped for the most advanced instruction and investigation attainable in the country.

In the basement there will be an earth plat twelve feet wide, three feet deep and one hundred fifty feet long. In connection with this it is planned to provide special apparatus for testing tillage and tractor machinery. A large draft wagon apparatus will be used for testing rolling friction as applicable to highways.

In the automobile laboratory will be placed a dynamometer for testing automobiles. The farm motor laboratory will contain a tractor dynamometer for use with traction engines. Besides these items there will be a hydraulic room designed to test farm pumping plants; a feed grinding and shelling room for testing grinding, threshing, shelling and elevating machinery, etc. The equipment for the new building will be well suited to the demands of the regular courses of instruction and will provide opportunity for advanced study and research.

Plant Industry Hall furnishes class and laboratory facilities for Horticulture, Entomology, Experimental Agronomy, and Plant Path-

ology and Physiology. Dairy Industry Hall furnishes laboratories for instruction in buttermaking and cheesemaking, market milk and ice cream laboratories and temporarily houses the instruction in Farm Crops. Home Economics Hall furnishes laboratories for instruction in the preparation of food, and in clothing and home furnishing. All of the technical departments giving instruction have excellent laboratory facilities and depend upon the laboratory method to give definiteness and efficiency to their instruction.

ADMISSION TO THE COLLEGE OF AGRICULTURE

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges (the three school are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below under "Admission by Certificate," and in the subjects for the amount indicated below under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only

upon examination and then for a maximum of nine hours' elective credit and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Applicants for admission to the College of Agriculture as graduates of the University Preparatory Course of the School of Agriculture must secure from the Principal of the School of Agriculture an official certified statement of record and file the same with the Registrar. The above named applicants are admitted to complete freshman standing in the College of Agriculture without examination.

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an entrance point is essential:

Required Subjects	Points
English	4
History (European) (a).....	2
Language (Foreign) (b).....	6 to 4
Mathematics (algebra and geometry)	4 to 6
Science (laboratory) (c).....	2 to 4
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language—

Additional English, history or laboratory science may be offered in place of foreign language.

(c) Science—

For admission to this College both physics and chemistry are desirable but a full year of either physics or chemistry should be offered. Students offering only a half year of either cannot continue their study in the College without registering for the elementary course.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record*

of *secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University, which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTERING

Registration in the College of Agriculture occurs on the City Campus during the regular registration days of each semester and each student¹ is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register **after these days**. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A fee of fifty cents is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made by direction of University authorities and thru no fault of the student. A student changing from one College to another must pay a new matriculation fee of \$5 and such change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. Upon the payment of the required fee, a student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester unless required by the prescribed program; a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first seemster in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

¹Freshmen schedules are arranged for the year. Their registration for the second semester is in general merely a formality consisting in the payment of the necessary fees.

FEES AND EXPENSES

Fees. The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The schedule of fees in the College of Agriculture is as follows:

Matriculation (payable on entering each college).....	\$5.00
Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one College to another.	
Incidental, each semester.....	3.00
Library (charged to each student who does not pay a laboratory fee), each semester.....	1.00
Late registration (after registration days).....	3.00
Re-registration (including change of registration).....	0.50
Special examination, each course.....	1.00
Diploma, (undergraduate)	5.00
Diploma, in absentia, (undergraduate).....	15.00
Certificate	2.00

LABORATORY FEES

Agricultural Engineering—Courses 5, 6, 7, 14, 24, 31, 32, 33, 34. \$1; 1, 2, \$4; 3, 4, 8, 9, 10, 12, 17, 18, 22, \$3; 15, \$5.

Agronomy—Courses 1, 2, 51, 52, \$1.

Chemistry—Courses 1, 2, \$5; 3, 4, \$4; 31, \$10; 46, \$6; 123, for each credit hour a semester, \$2.

Dairy Husbandry—Courses 1, 2, 9, \$2; 4, 8, 10, 12, \$3; 7, 13, \$4.

Entomology—Courses 1, 2, 3, 4, 7, 8, 10, 11, \$1; 5, 6, \$2; 15, 16, 17, 18, for each credit hour a semester, \$1.

Fine Arts—Course 15, \$2.

Geography—Courses 1, 2, 6, 52, \$1.

Home Economics—Courses 1, 2, 8, 9, 10, 18, \$2; 3, 4, 6, \$6; 5a, 7, 11, 12, 23, 26, \$3; 24, \$1; 25, \$8.

Horticulture—Course 5, \$3; 20, 23, 24, \$2; 11, 12, 17, \$1.

Physiology—Courses 1, 2, \$5.

Plant Pathology and Physiology—Courses 101, 102, \$2; 105, 108, 117, 118, \$3; 115, 116, for each credit hour a semester, \$1; 125, 126, 127, 128, for each credit hour a semester, \$2.

Zoology—Courses 11, 12, \$2; A, \$4.

Expenses. In Lincoln, board and lodging may be secured in private families for from \$4.50 to \$6.00 a week. There are also numerous student clubs. The Young Men's Christian Association of the University keeps lists of boarding places and also maintains an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

REQUIREMENTS FOR GRADUATION

University Credits. For the degree of Bachelor of Science, 125 University "credit hours" are required. A course receives one credit hour for each one-hour recitation or lecture and two hours preparation or laboratory period required for each of the eighteen weeks of a semester.

For a certificate in Agricultural Practice 62 prescribed "credit hours" together with one year of successful farm experience are required.

All subjects required for graduation are offered at the Farm campus but the students may elect sciences and academic subjects at the City campus. Elective subjects may be taken at the Farm campus, or at the City campus in the College of Arts and Sciences.

THE GENERAL AGRICULTURAL AND HOME ECONOMICS GROUPS

Students who have satisfied all matriculation requirements and completed the courses in the prescribed groups together with sufficient electives to make a total of 125 University credit hours, will be granted the degree of Bachelor of Science in Agriculture or Home Economics. No student is recommended for a degree who is not within 18 hours of this requirement at the beginning of his last semester.

All students are required to register according to the outlined courses.

Required Subjects—Each candidate for the degree of Bachelor of Science in Agriculture or Home Economics in the College of Agriculture must complete the following subjects:

For the General Agricultural Group:	Hours
Agriculture.....	27
Major subject (Agriculture or Science) additional.....	20
Elective subjects ¹	20
Biology (Botany or Entomology ²).....	12
Chemistry.....	11
Biological, Physical or exact Science.....	8
English (Rhetoric 1, 2 and Rhetoric or English Literature).....	10
Economics 1, Farm Management 11 or 12.....	5
History of Vocational Education.....	2
History or Sociology.....	6
Military Science.....	4

Total	125
-------------	-----

For the Home Economics Group ³	Hours
Foreign Language, ancient or modern.....	10
English ⁴ (Rhetoric and English Literature).....	10
History.....	6
Philosophy, Sociology or Political Science and Education.....	6

	Hours
Chemistry ⁵	16
Fine Arts 15, 16.....	3
Education.....	2
Biological Sciences (Botany or Zoology, Bacteriology and Physiology).....	12
Physical Training.....	5
Home Economics.....	30
Electives.....	25

Total	125
-------------	-----

Science Requirements. Students selecting the Agricultural Group will be required to complete 27 hours of prescribed agriculture, 20 hours

¹Elective subjects may be taken in the departments at the University Farm or may be taken in academic or science subjects at the City campus.

²Zoology may be taken at the City campus in place of Botany or Entomology.

³For additional requirements for the University Teachers' Certificate see pages 25-27.

⁴Rhetoric 1, 2 required.

⁵This requirement is increased to 20 hours if less than two points entrance credit in Chemistry is offered.

in some major subject, or in two minor subjects, and 31 hours additional in Natural or Physical Science. Students selecting the Home Economics Group will be required to take 30 to 36 hours of Home Economics with 28 to 32 hours of Biological or Physical Science.

Military Science Required. Four hours of military science (courses 1, 2, 3, 4) are required of all men students. Only credibly attested physical disability or membership in a religious organization whose creed forbids participation in warfare in any form (on the part of parent in case of a minor) is accepted as excusing from the requirements in military science. Those excused for conscientious scruples are required to do work in Physical Education equivalent in amount. Unless excused or reprieved, each undergraduate man must fulfill this requirement in freshman and sophomore years. A man excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degree sought. Thoro drill elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

Major Subjects. Not later than the beginning of the Junior year each student in the College of Agriculture must select some one department of the college in which he will take a major or two minors of not less than 20 hours, nor more than 30 hours except in the Home Economics Group in which 36 hours may be taken. Upon approval of the Head of the Department in which the major work is done, closely related subjects may be offered to make up the 20 hours minimum.

TEACHERS CERTIFICATES UNDER SMITH-HUGHES ACT

First Grade State Certificates

Requirements for Teachers of Agriculture

	Hours
General courses in Agriculture.....	27
Two minor subjects (in two departments in Agriculture) additional..	20
Education	
History of Vocational Education.....	2
Agricultural Education	2
Special Methods in each of two agricultural departments offering approved courses in methods.....	2 each
General Psychology.....	3
Educational Theory and Practice.....	3
Educational Psychology or Child Study.....	2
Science (Botany, Entomology and Zoology).....	12
Chemistry	10

Biological, Physical or Exact Science.....	8
English (Rhetoric 1 and 2 and six hours additional Rhetoric or English Literature).....	10
Rural Economics and Rural Sociology.....	6
Elective subjects.....	12
Military Drill.....	4

 125

Two years of practical farm experience or its equivalent will be required for certificates to teach under the Smith-Hughes Act.

Requirements for Teachers of Home Economics

Technical Subjects	Hours
Food Study	12
Clothing Study.....	12
House Administration (includes supervised home management).....	6
House planning.....	1
Emergencies and Home Nursing.....	1
	32 hours

Related Sciences and Arts

Chemistry	16-20
Physiology	4-6
Bacteriology	2
Applied Design.....	3

 25-31 hours

Education

Psychology	3-6
Educational Psychology or Child Study.....	2-3
History of Vocational Education.....	2
Theory and Practice of Teaching.....	2
Special Methods in Home Economics.....	4
Practice Teaching in Home Economics.....	2-3

Additional subjects to make.....125 hours credit

Two years of practical experience in the home including a period of actual Home Management or its equivalent will be required for a certificate to teach under the Smith-Hughes Act.

University Teachers Certificate

The University Teachers Certificate is granted only to students who (1) maintain an average of at least 80 per cent in the group of sub-

¹Twenty hours of Chemistry are required if one unit is not offered for entrance.

In addition to the above, six hours of Biology and three hours of sociology are required.

jects to be taught and a high average in all other subjects in the collegiate course, (2) show special fitness for teaching. This certificate entitles its holder to teach in any high school in Nebraska and is valid in many other states; after three years' successful experience in Nebraska it may be converted into a life certificate by the endorsement of the State Superintendent.

Requirements. 15 hours of Education; 6 hours of Philosophy.

- | | | |
|----|--|-------|
| 1. | The candidate must hold the Bachelor's or Master's degree from the University. | Hours |
| 2. | Psychology 1 and 2..... | 6 |
| | Education..... | |
| | History of Education 1 and 2..... | 6 |
| | Educational Psychology 16..... | 2 |
| | Educational Theory and Practice..... | 3 |
| | For Teachers of Agriculture..... | |
| | Agricultural Education 2..... | 2 |
| | Special Methods..... | 2 |
| | For Supervisors of Home Economics..... | |
| | Home Economics 13 and 14..... | 4 |
| 3. | A major of not less than 30 hours and a minor of not less than 18 hours may be taken in the subjects of Domestic Science and Domestic Art. | |

The First Grade City State Teachers Certificate

Requirements—12 hours of Education; 3 hours of Philosophy.

General	Hours
Psychology 3	3
Education.....	
History of Modern Education 2.....	3
Educational Theory and Practice.....	3
Educational Psychology or Child Study.....	2
For Teachers of Agriculture.....	
Agricultural Education 2.....	2
Special Methods.....	2
For Supervisors of Home Economics.....	
Home Economics 13 and 14.....	4

NOTE—The first grade city state teachers certificate may be converted into a life certificate by the endorsement of the State Superintendent after three years successful experience.

Advisers. Every student¹, before registering, must consult an Adviser in regard to his schedule and secure his Adviser's signature to this schedule.

¹Freshmen schedules are arranged for the year. Their registration for the second semester is in general merely a formality, consisting in the payment of the necessary fees.

Freshmen and other entering students shall report to the Dean of the College for assignment to an Adviser. For the Freshman and Sophomore years, a special group of Advisers is provided, in order that students may be assisted to complete the required subjects as fully as possible within these years. At the end of his second year, any student may select as his Adviser any member of the professorial rank in the department of the College of Agriculture in which he elects to take his Major work. The Dean of the College constitutes a head Adviser for each student within the College. The Dean of Women is special Adviser to all women students in the College.

Absence or Withdrawal. A leave of absence for a short time may be granted a student by the Dean. This leave is merely a justification for absence and not an excuse from any work. Students not previously excused shall make request for excuse for absence within two weeks after the absence ceases. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

ORDER OF COURSES IN THE GROUPS OF STUDY GENERAL AGRICULTURAL GROUP

FIRST YEAR	First	Second
	Semester	Semester
	Hours	Hours
Biology ¹ (Plant Pathology and Physiology 101, 102 or Botany 1, 2 or Entomology 3, 4).....	3	3
Physical Science (Chemistry ² 3, 4).....	3	3
Rhetoric 1, 2.....	2	2
Animal Husbandry 1.....	4	
Agricultural Engineering 1 (Carpentry), 2 (Forge Work), or 3 (Farm Machinery).....	2	2
Geography 52		3
Dairy Husbandry 1, 2.....	2	2
Military Science 1, 2.....	1	1
	<hr/> 17	<hr/> 16

Modern language (French or German) may be substituted for 5 hours of agricultural subjects in each semester.

¹Botany 1, 2 and Zoology are offered at the City campus. Plant Pathology and Physiology 101, 102 and Entomology 3, 4 are offered at the Farm campus.

²Where less than 2 points Chemistry is offered for entrance, Chemistry is taken as a five hour subject and Dairy Husbandry or Agricultural Engineering omitted.

SECOND YEAR		First Semester Hours	Second Semester Hours
Chemistry 31		5	
Biology (Plant Pathology and Physiology, Botany, Entomology, Zoology 11, 12)		3	3
Agronomy 1 (Crops), 51 (Soils)		3	4
Horticulture 2			2
Electives ¹		4	6
Military Science 3, 4		1	1
		—	—
		16	16

THIRD YEAR			
Farm Management 3		3	
History of Vocational Education		2	
Major subjects (Agriculture or Science)		5	5
Economics 1, Farm Management 11 or 12		3	2
Electives ¹		3	9
		—	—
		16	16

FOURTH YEAR			
History or Sociology		3	3
Major subjects (Agriculture or Science)		5	5
Electives ¹ to complete 125 hours credit		6	6
		—	—
		14	14

TWO YEAR AGRICULTURAL PRACTICE GROUP

Offered at the University Farm

Students in this course should register for Rhetoric 1, 2 and Military Science 1, 2, 3, 4 which are absolute requirements. It is expected that students will continue work the second semester in each department in which they have done work the first semester. Students continuing in the College more than two years must enter General Agricultural Group and complete science requirements before continuing their agricultural subjects.

¹Additional Rhetoric or English Literature, 6 hours required. Physics 11, 12, or Mathematics 1, 2 offered at the City campus may be elected.

FIRST YEAR

	First Semester Hours	Second Semester Hours
--	----------------------------	-----------------------------

Animal Husbandry 1 (Breeds and Judging).....	4	
Animal Husbandry 2 (Judging), 4 (Feeding).....		4
Agronomy 1 (Forage Crops), 2 (Cereals).....	3	4
Agricultural Engineering 1 (Wood Work), 2 (Forge Work)	2	2
Dairy Husbandry 1, 2 (Principles of Dairying).....	2	2
Horticulture 1 (Vegetable Growing), 2 (Fruit Growing)	2	2
Rhetoric 1, 2 (required).....	2	2
Military Science 1, 2 (required).....	1	1
Optional Freshman (Agricultural) Subject.....	2	2

The student may register for a maximum of 17 hours.

Chemistry 1, 2 or 3, 4 or Plant Pathology and Physiology 101, 102 are optional with any of the above agricultural subjects except Military Science and Rhetoric.

SECOND YEAR¹

Agronomy 51, 52 (Soils).....	4	4
Farm Management 3 (Farm Organization), 2 (Cash Accounting) or 12 (Distribution of Agricultural Products)	3	2
Animal Husbandry 13, 14 (Live Stock Management)	2	2
Agricultural Engineering 3 (Farm Machinery), 4 (Farm Motors)	2	2
Animal Pathology 1.....	3	
Entomology 8.....		3
Dairy Husbandry 3 (Milk Production), 4 (Butter Making)	2	3
Horticulture 11, 13 or 15 (First Semester), 12, 20 or 16 (Second Semester).....	3	3
Rhetoric 5a, 6a.....	3	3
Military Science 3, 4 (required).....	1	1

The student may register for a maximum of 17 hours.

Chemistry 31 or Plant Pathology and Physiology 105 and 108 are optional with agricultural subjects.

¹A student may register for the first year's work in any department above instead of the work scheduled if he does not have credit in the earlier courses.

HOME ECONOMICS GROUP

	FIRST YEAR	First Semester	Second Semester
		Hours	Hours
Home Economics 1, 2 (Sewing and Textiles).....		3	3
Fine Arts 15, 16 (A and S) ¹		2	1
Rhetoric 1, 2 (A and S) ¹		2	2
Chemistry 3, 4.....		3	3
Language, Ancient or Modern (A and S) ¹		5	5
Physical Education 21, 22 (A and S) ¹		1	1
		<hr/> 16	<hr/> 15

²FIRST YEAR FOR STUDENTS WHO HAVE NO ENTRANCE CREDITS IN
CHEMISTRY

Home Economics 1, 2 (Sewing and Textiles).....	3	3
Fine Arts 15, 16 (A and S) ¹	2	1
Rhetoric 1, 2 (A and S) ¹	2	2
Physical Education 21, 22 (A and S) ¹	1	1
Chemistry 1, 2.....	5	5
History or other required subject.....	3	3
	<hr/> 16	<hr/> 16

SECOND YEAR

Home Economics 3, 4 (Elementary Food Study).....	4	4
Chemistry 31, 46.....	5	5
Botany 1, 2 (A and S) ¹ or Zoology 11, 12 (A and S) ¹ or Plant Pathology and Physiology 101, 102.....	3	3
English Literature 1, 2 (A and S) ¹	3	3
Physical Education 9 (A and S) ¹		1
Physical Education 23, 24, (A and S) ¹	1	1
	<hr/> 16	<hr/> 17

¹Given in College of Arts and Sciences.

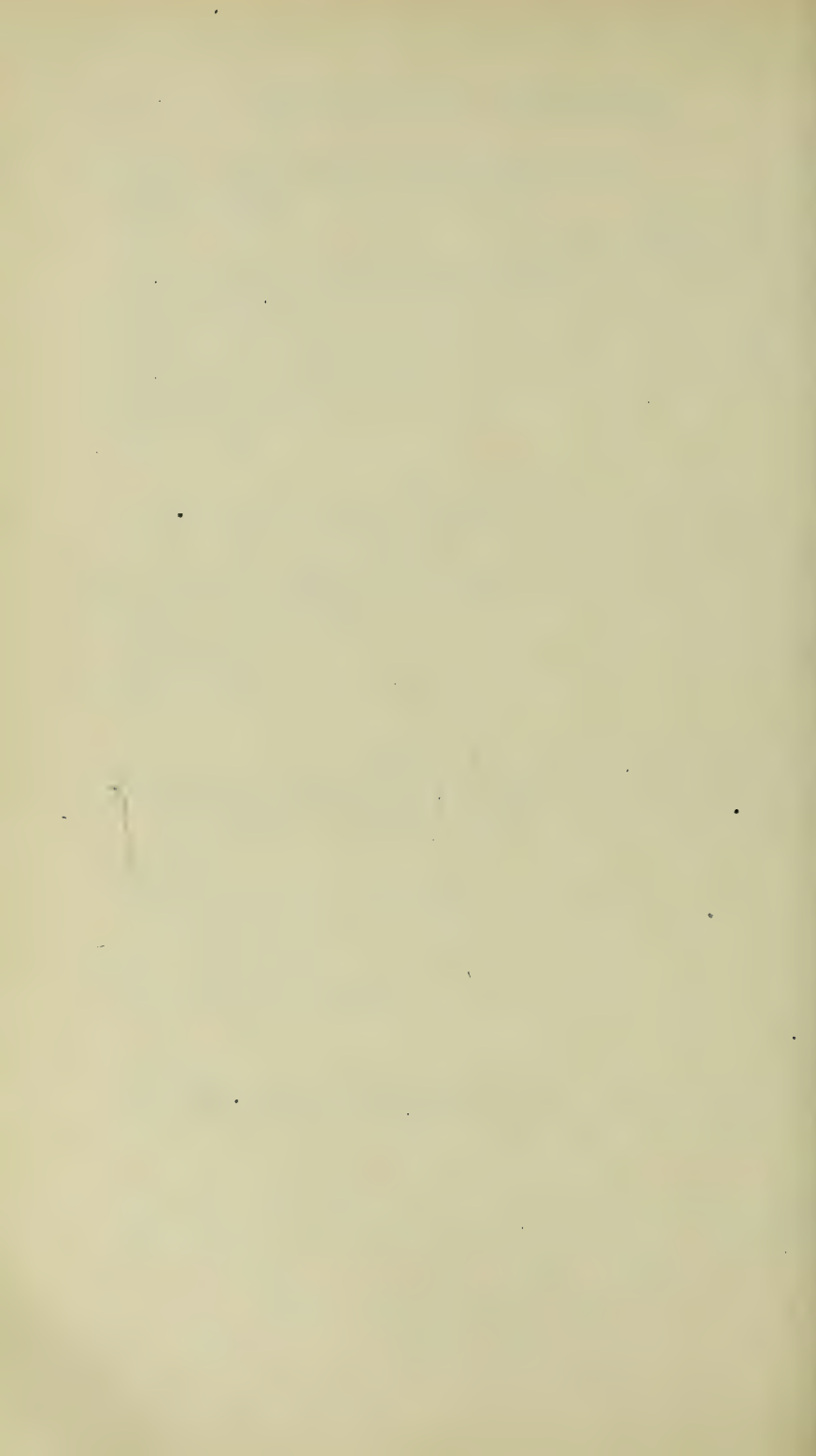
²The requirements in foreign language must be fulfilled later.

	THIRD YEAR	
	First Semester Hours	Second Semester Hours
Home Economics 6 (Dietetics).....		4
Home Economics 7, 8 (Textiles and Clothing).....	3	3
Bacteriology 2a (A and S) ¹	2	
Physiology 1, 2 (A and S) ¹	2	2
Philosophy ² 1, 2 (A and S) ¹ or Philosophy 3 and Sociology or Economics.....	3	3
Electives	6	4
	16	16

FOURTH YEAR		
Home Economics 9, 10 (Household Administration)....	3	3
Agricultural Engineering 33.....	1	
Education 7 (Child Study) or Educational Psychology 16 (A and S) ¹	3	or 2
History	3	3
Electives	6	9
	16	15

¹Given in the College of Arts and Sciences.

²Philosophy 1 and 2 are required of candidates for the University Teachers' Certificate. Philosophy 3 is accepted from candidates for the First Grade City State Teachers' Certificate. See page 27.



**The Agricultural Extension Service
in the College of Agriculture**

UNIVERSITY OF NEBRASKA COLLEGE OF AGRICULTURE
THE EXTENSION SERVICE

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CHAS. E. GUNNELS, B. Sc., Director
L. W. CHASE, M. E., A. E., Agricultural Engineering. On leave,
Major of Ordnance
W. W. BURR, B. Sc., Agronomy

*On leave of absence from February 1 to September 1, 1918, in war service.

¹Resigned.

H. J. GRAMLICH, B. Sc., Animal Husbandry
LEUNIS VAN ES, M. D., V. S., Animal Pathology
F. W. UPSON, Ph. D., Chemistry
J. H. FRANDSEN, M. S. A., Dairy Husbandry
LAWRENCE BRUNER, B. Sc., Entomology
H. C. FILLEY, A. M., Farm Management
ALICE M. LOOMIS, A. M., Home Economics
R. F. HOWARD, A. M., Horticulture
G. A. LOVELAND, A. M., Meteorology
E. MEAD WILCOX, Ph. D., Plant Pathology.
F. E. MUSSEHL, B. Sc., Poultry Husbandry
H. E. BRADFORD, A. M., Principal, School of Agriculture

THE AGRICULTURAL EXTENSION SERVICE

The Extension Service is a joint organization of the Extension forces of the University of Nebraska College of Agriculture and the United States Department of Agriculture, and the work is carried on throughout the State in co-operation with local organizations of men and women and with the public school system.

The main lines of activity in the Extension Service are as follows:

Publications.

Extension Specialists in Agriculture.

Extension Specialists in Home Economics.

County Agricultural Agent Work.

Junior Extension Work.

Home Demonstration Agent Work.

A detailed statement of the activities of the Service is included in the Thirty-first Annual Report of the Agricultural Experiment Station, which may be had on application to Bulletin Clerk, University Farm, Lincoln, Nebr.

EXTENSION BULLETINS OF THE COLLEGE OF AGRICULTURE

Extension Bulletin No. 46. Feeding Dairy Cows. By D. H. Propps and E. G. Woodward. Distributed June 30, 1917.

Extension Bulletin No. 47. Farm Cheese-Making. By J. H. Frandsen and T. Thorson. Distributed November 1, 1917.

Extension Bulletin No. 48. Well-Planned Meals. By Julia Vance. Distributed November 1, 1917.

Extension Bulletin No. 49. A Dozen Hens in the Back Yard. By F. E. Mussehl. Distributed March 15, 1918.

Extension Bulletin No. 50. Home Vegetable Gardening. By G. W. Hood. Distributed April 1, 1918.

**The Agricultural Experiment Station
in the College of Agriculture**

AGRICULTURAL EXPERIMENT STATION OF NEBRASKA

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The Regents of the University

HON. E. P. BROWN, President, Davey
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HON. PHILIP L. HALL, Lincoln
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THE STATION OFFICERS

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W. G. HASTINGS, A. B., Acting Chancellor
E. A. BURNETT, D. Sc., Director
¹C. W. PUGSLEY, B. Sc., Director of Extension Service
C. E. GUNNELS, B. Sc., Director of Extension Service.
J. S. DALES, M. Ph., Financial Secretary
C. A. LEWIS, B. Sc., Bulletin Editor.

THE WORKING STAFF

L. W. CHASE, M. E., A. E., Agricultural Engineering. On leave.
Major of Ordnance
W. W. BURR, B. Sc., Agronomy.
T. A. KIESSELBACH, A. M., Agronomy.
H. J. GRAMLICH, B. Sc., Animal Husbandry.
LEUNIS VAN ES, M. D., V. S., Animal Pathology.
J. H. GAIN, M. D. C., Animal Pathology.
F. W. UPSON, Ph. D., Chemistry.
J. H. FRANSEN, M. S. A., Dairy Husbandry.
LAWRENCE BRUNER, B. Sc., Entomology

*On leave of absence from February 1 to September 1, 1918, in war service.

¹Resigned.

- M. H. SWENK, A. M., Entomology.
H. C. FILLEY, A. M., Farm Management.
R. F. HOWARD, A. M., Horticulture.
G. A. LOVELAND, A. M., Meteorology.
E. MEAD WILCOX, Ph. D., Plant Pathology and Physiology.
F. E. MUSSEHL, B. Sc., Poultry.
W. P. SNYDER, M. S., Superintendent Experiment Substation, North Platte.
JAMES COWAN, M. E., Superintendent Experimental Substation, Valentine.
JAMES A. HOLDEN, B. Sc., Superintendent Experimental Substation, Mitchell.
L. L. ZOOK, B. Sc., Agronomist, North Platte.
J. W. CALVIN, B. Sc., Associate in Agricultural Chemistry. On leave. Lieutenant in Base Hospital Unit.
†G. K. K. LINK, Ph. D., Associate in Plant Pathology and Physiology.
ERWIN HOPT, B. Sc., Assistant in Agronomy.
W. B. NEVENS, M. S., Assistant in Dairy Husbandry.
R. R. SPAFFORD, A. M., Assistant in Farm Management.

¹ Resigned.

†Detailed from Office of Dry Land Agriculture, United States Department of Agriculture, Washington, D. C.

THE CENTRAL EXPERIMENT STATION

The Nebraska Agricultural Experiment Station, carried as a department of the College of Agriculture of the University of Nebraska, is maintained from funds appropriated by Congress, supplemented by state appropriations. Under the provisions of the Hatch Bill, each state and territory that had established an agricultural college under the land grant act of 1862 was offered funds to establish, in connection therewith, an agriculture experiment station. Nebraska assented to the conditions and was one of the states to receive immediate benefits from the act.

The work contemplated by the law providing for these experiment stations is set forth as follows in section 2 of the act establishing the station:

SECTION 2. That it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under the varying series of crops; the capacity of new trees or plants for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agriculture industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states and territories.

On March 16, 1906, an act known as the Adams act became effective, granting increased support to the Experiment Station for purely technical investigations along the lines mentioned in the Hatch act under which the Experiment Station was established, and since the acceptance of this fund the Experiment Station has been conducting these technical lines of investigation in accordance with this act.

The central experiment station is located at the University Farm, except the Finance Office, which is located at the University Campus. The farm comprises a tract of 320 acres located three miles east of the University, having street car connections. About one hundred acres is now laid off in experiment plats for field crops, fruits, and vegetables. The animals used for experiment are in a measure furnished from the

herds of cattle, sheep and hogs used for instructional purposes. The offices of the Director and of the Extension Service are in Agricultural Hall. The department of Animal Husbandry is located in the Judging Pavilion. The Farm Management and Poultry departments are located in Farm Management Hall (the old dairy building). Dairy Husbandry is located in the new Dairy Industry Hall. The office of the department of Agricultural Chemistry, and the laboratories for investigation in this line are in Experiment Station Hall. The departments of Horticulture, Agricultural Botany and Entomology and the offices of Experimental Agronomy are in Plant Industry Hall. Animal Pathology has a separate building. Agricultural Engineering is located in the new Agricultural Engineering building, at the north end of the main quadrangle.

THE EXPERIMENTAL SUBSTATIONS

North Platte Substation. The Experimental Substation provided for by the Legislature of 1903, is located in Lincoln County, three miles south of North Platte, on a tract of 1,920 acres. This farm contains 270 acres of bench land with an elevation of about 2,800 feet. About 140 acres of this farm is level table-land with an elevation of 3,000 feet, the remainder of the farm being rough canyon and table-land devoted to pasture. The experiments in crop and animal production upon this farm are comparable with nearly all the crop production and animal industry in Central Nebraska. Experiments in crop production are conducted without irrigation, except upon a tract of about ten acres which is irrigated by pumping. Bulletins are published from time to time thru the central experiment station.

Valentine Substation (the Sand Hills Station). The Legislature of 1909 provided for an additional substation west of the second guide meridian and north of the sixth standard parallel. This station was located by the Regents, after due consideration, at Valentine, Nebraska, upon a portion of the Military Reservation adjoining the town to the southeast, a permanent lease being secured from the War Department to section 32, the west half of section 33, and that part of the southeast quarter of section 33 lying northwest of the Niobrara river,—all in township 34 north, range 27 west, in Cherry County, Nebraska. Upon request to the citizens of Valentine, a deed was given to the Regents for the University to 40 acres of land lying immediately west of section 32, being the northeast quarter of the southeast quarter of section 31, township 24 north, range 27 west, in Cherry County, Nebraska. Experiments in forage crop production, wind breaks and shelter belts, and in farm dairying are in progress.

The Scottsbluff Substation. The Legislature of 1909 also provided for an appropriation to be used in co-operation with the United States Department of Agriculture to study irrigation methods and crop production in the North Platte Valley. 160 acres of land located on the southeast quarter of section 21, township 23 north, range 57 west, was selected for this purpose and was withdrawn from entry by the Reclamation Service and assigned to the use of the United States Department of Agriculture and the Nebraska Experiment Station for the purposes above named. Experimental work in crop rotation, the application of water to the land, and other questions relative to the development of agriculture in the North Platte Valley are in progress. Work in dry land agriculture is also being studied on land which does not receive irrigation water.

Agronomy Farm for the Central Station. The Legislature at its Thirty-fifth Session (1917), made an appropriation of \$32,000 for the purchase of an agronomy farm, to be connected with the Central Station. A farm of 160 acres, lying one and one-half miles east and one mile north of the present farm campus, described as the southwest quarter of section number 10, in township number 10, of range number 7, east of the sixth principal meridian, in Lancaster County, Nebraska, was purchased by the Regents for \$36,000, possession being given on February 1, 1918. This farm is in operation at the present time and is being developed with a view of extending the experiments in crops.

Demonstration Fruit Farm. The Legislature also made an appropriation of \$10,000 for a demonstration fruit farm, to be located in the fruit belt in eastern Nebraska.

A farm of 80 acres was purchased by the Regents near Union, Nebraska, being the west half of the southwest quarter of section number 36, in township number 10, of range number 13, according to the United States Government Survey, located in Cass County, Nebraska. This farm is situated on high rolling land about three miles from the Missouri River, and is considered ideal for commercial fruit growing purposes. An orchard of 40 acres was planted in 1918 and the farm is being operated this year, partly by lease and partly by labor furnished direct from the Horticultural Department of the Central Station.

EXPERIMENT STATION BULLETINS

Each year the Station publishes at least four bulletins. These contain the results of investigations in subjects pertaining to agriculture. Many of these bulletins cover lines of technical investigation upon

scientific subjects relating to agriculture. The reports of investigation at all substations are published thru the central station. An Annual Report is published, containing a summary of the work of the year and experimental results of interest to investigators. The publications of the Station since those reported in the last General Catalog are as follows:

Thirty-first Annual Report. Presented to the Governor February 1, 1918. 2,000 copies.

Bulletin No. 162. (North Platte Substation Bulletin No. 18.) Wintering Mature Brood Sows. By W. P. Snyder. Distributed December 15, 1917. 15,000 copies.

Bulletin No. 163. (Popular Edition of Research Bulletin No. 14.) Freezing Injury of Seed Corn. By T. A. Kiesselbach and J. A. Ratcliff. Distributed April 15, 1918. 15,000 copies.

Bulletin No. 164. (North Platte Substation Bulletin No. 19.) Chopped Alfalfa versus Bran in Grain Ration for Dairy Cows. By W. P. Snyder. 10,000 copies. (In press.)

Bulletin No. 165. (North Platte Substation Bulletin No. 20.) Growing Pigs in Summer. By W. P. Snyder. 10,000 copies. (In press.)

Bulletin No. 166. Soy Beans. By T. A. Kiesselbach. Distributed May 1, 1918. 10,000 copies.

Research Bulletin No. 12. Studies of the Etiology and Control of Blister Canker on Apple Trees. By J. Ralph Cooper. Distributed December 15, 1917. 5,000 copies.

Research Bulletin No. 13. Studies Concerning Elimination of Experimental Error in Comparative Crop Tests. 4,000 copies. (In press.)

Experiment Station Circular No. 5. From Car Door to Consumer. By H. C. Filley. Distributed January 1, 1918. 15,000 copies.

The Experiment Station desires to assist the farmers of the state in solving many of the difficult and perplexing problems that affect our agricultural production, and to this end is carrying on investigations along lines that aid the practical farmer. The co-operation of all who are interested in the improvement of agricultural practice is invited.

**The
College of Arts and Sciences**

OFFICERS OF ADMINISTRATION AND INSTRUCTION

¹SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.

CARL CHRISTIAN ENGBERG, Ph. D., Acting Dean of the College of Arts and Sciences, Executive Dean and Professor of Applied Mathematics.

FLORENCE IRWIN MCGAHEY, A. B., Registrar and University Publisher (*Secretary of the Faculties.*)

HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy.

JOSEPH EMANUEL ALEXANDER ALEXIS, A. M., Assistant Professor of Scandinavian Languages.

JOHN EDWIN ALMY, Ph. D., Professor of Experimental Physics.

LEON EMMONS AYLSWORTH, A. M., Professor of Political Science.

ALBERT BABBITT, A. M., Assistant Professor of Mathematics.

SHIRLEY D. BABBITT, A. M., Instructor in Rhetoric. On leave. American Expeditionary Forces, France.

GROVE ETTINGER BARBER, A. M., Professor of Roman History and Literature. (*Head of Department of Roman History and Literature.*)

CARRIE ADELINE BARBOUR, B. Sc., Assistant Professor of Paleontology and Assistant Curator of the University Museum.

ERWIN HINCKLEY BARBOUR, Ph. D., Professor of Geology. (*Head of Department of Geology.*)

FRANKLIN DAVIS BARKER, Ph. D., Professor of Medical Zoology and Parasitology.

NELS AUGUST BENGTON, A. M., Professor of Geography and Conservation.

RUFUS C. BENTLEY, Ph. D., Associate Professor of Education.

HENRY BLUMBERG, Ph. D., Assistant Professor of Mathematics.

WILLIAM CHARLES BRENKE, Ph. D., Professor of Mathematics.

HENRIETTA McELROY BROCK, Instructor in China Painting.

¹Absent on leave from February 1 to September 1, 1918, in war service.

HERBERT BROWNELL, B. Sc., Professor of Sciences in Secondary Education. (*Head of Department of Sciences in Secondary Education.*)

LAWRENCE BRUNER, B. Sc., Professor of Entomology and Entomologist of the Experiment Station. (*Head of Department of Entomology.*)

THEODORE TUNISON BULLOCK, A. M., Instructor in Economics.

PHILO MELVIN BUCK, JR., A. M., Professor of Rhetoric. On leave. Captain in the Adjutant Generals Department, 34th Division.

HOWARD WALTER CALDWELL, A. M., Professor of American History. (*Head of Department of American History.*)

ALBERT LUTHER CANDY, Ph. D., Professor of Mathematics. (*Head of Department of Mathematics.*)

RAYMOND GUSTAVUS CLAPP, Ph. B., M. D., Professor of Physical Education and Director of the Men's Gymnasium. (*Head of Department of Physical Education.*)

LETTA MAY CLARK, A. M., Assistant Professor of Methods of Instruction in English.

ROY E. COCHRAN, Assistant Professor of English History.

DANA F. COLE, A. M., Instructor in Economics. On leave. 340th Field Artillery.

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)

CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)

WILLIAM FRANCIS DANN, A. M., Professor of History and Criticism of the Fine Arts. (*Head of Department of History and Criticism of the Fine Arts.*)

RALPH WARD DAWSON, B. Sc., Assistant Professor of Entomology.

ELSIE DAY, A. B., Ph. G., Assistant Professor of Pharmacognosy.

HERBERT E. EASTLACK, Ph. D., Associate Professor of Chemistry.

ROBERT WALPOLE ELLIS, M. A., Instructor in Geology.

CLARENCE EMERSON, M. D., Demonstrator in Anatomy.

MINNIE THROOP ENGLAND, Ph. D., Assistant Professor of Economics and Commerce.

FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*) On leave. Major, Historical Branch of General Staff.

MILLER MOORE FOGG, A. M., Professor of Rhetoric.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)

LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)

MARY LOUISE FOSSLER, A. M., Assistant Professor of Chemistry.

CLARENCE JACKSON FRANKFORTER, A. M., Assistant Professor of Chemistry. On leave. Captain 341st Infantry.

CLYTUS ALLEN FREEMAN, A. M., Associate Professor of Economics and Commerce.

PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)

SHERLOCK BRONSON GASS, Ph. B., Associate Professor of Rhetoric.

T. AGNES GORDON, A. B., Instructor in Romance Languages.

BLANCHE CHLOE GRANT, A. B., Associate Professor of Drawing and Painting.

PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts and Professor of Dramatic Literature.

FREDERICK R. HANLEY, A. B., Instructor in Romance Languages.

MARGARET LOUISE HANNAH, A. B., Instructor in Botany.

AMANDA HENRIETTA HEPPNER, A. M., Acting Dean of Women.

CORA BELLE HILL, A. M., Associate Professor of School Administration and Assistant Principal of Teachers College High School.

EDGAR LENDERSON HINMAN, Ph. D., Professor of Logic and Metaphysics.

GEORGE ELLIOTT HOWARD, Ph. D., Professor of Political Science and Sociology. (*Head of Department of Political Science and Sociology.*)

HARRIET ALICE HOWELL, A. M., Associate Professor of Elocution and Dramatic Art.

SARKA HRBKOVA, A. M., Professor of Slavonic Languages. (*Head of Department of Slavonic Languages.*)

ALICE CUSHMAN HUNTER, Ph. D., Assistant Professor of Roman History and Literature.

WINIFRED FLORENCE HYDE, Ph. D., Associate Professor of Philosophy.

- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- HOMER BACKER LATIMER, A. M., Professor of Vertebrate Anatomy.
- JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)
- JAMES EDWARD LE ROSSIGNOL, Ph. D., Director of School of Commerce and Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*)
- ALICE MARIE LOOMIS, Professor of Home Economics. (*Head of Department of Home Economics.*)
- GEORGE ANDREW LOVELAND, A. M., LL. B., Professor of Meteorology.
- GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Dean of the Graduate School of Education and Professor of Education. (*Head of Department of Education.*)
- RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Physiology and Pharmacology and Dean of the College of Pharmacy. (*Head of Department of Physiology and Pharmacology.*)
- MARGUERITE CAMERON MCPHEE, A. M., Assistant Professor of Rhetoric.
- OSCAR ROSS MARTIN, A. M., Professor of Accounting and Business Administration.
- EDWIN MAXEY, D. C. L., Ph. M., Professor of Public Law and Diplomacy.
- BURTON EVANS MOORE, Ph. D., Professor of Physics.
- LOUISE EASTERDAY MUNDY, Assistant Professor of Drawing and Painting.
- DAISY JEANETTE NEEDHAM, A. M., Assistant Professor of European History.
- CLARK EDMUND PERSINGER, A. M., Professor of American History.
- LAURA BELLE PFEIFFER, Ph. D., Associate Professor of European History.
- HARLEY MARTIN PLUM, Ph. D., Professor of Chemistry.
- RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)
- LOUISE POUND, Ph. D., Professor of English Language.
- CARRIE BELLE RAYMOND, Director of Music.

ALBERT ALISON REED, A. M., Inspector of Accredited Schools and Professor of Secondary Education. (*Head of Department of Secondary Education.*)

ELIZABETH IRENE REESE, A. M., Associate Professor of Romance Languages and Literatures.

HARRIS LEE ROBERTS, Colonel, U. S. Army, Retired, Professor of Military Science and Tactics and Commandant of Cadets. (*Head of Department of Military Science and Tactics.*)

LULU L. RUNGE, A. M., Assistant Professor of Mathematics.

FREDERICK WARREN SANFORD, A. B., Associate Professor of Roman History and Literature.

ANDREW D. SCHRAG, Ph. D., Associate Professor of Germanic Languages and Literatures.

ECK FRANK SCHRAMM, A. M., Professor of Geology.

ROBERT DOUGLAS SCOTT, A. M., Associate Professor of Modern English Drama.

JOHN P. SENNING, A. B., Assistant Professor of Political Science and Sociology.

ADDISON ERWIN SHELDON, A. M., Lecturer in Political Science.

LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College and Professor of English Language and Literature. (*Head of Department of English Language and Literature.*)

JACOB SINGER, A. M., Associate Professor of Theory and History of Music.

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics. (*Head of Department of Physics.*)

BERTRAM JOHN SPENCER, Demonstrator and Teacher of Construction in Physics.

JAMES FRANKLIN STEVENS, A. M., M. D., Professor of Introductory Medicine.

EDWARD JAMES STEWART, M. D., Professor and Director of Athletics.

FREDERICK AMES STUFF, A. M., Litt. D., Professor of English Language and Literature.

MYRON HARMON SWENK, A. M., Professor of Economic Entomology.

GOODWIN DE LOSS SWEZEY, A. M., Professor of Astronomy. (*Head of Department of Astronomy.*)

FLORENCE LEO TAYLOR, A. B., Instructor in Romance Languages.

Absent on leave.

CHARLES WILLIAM TAYLOR, A. B., Professor of School Administration and Principal of Teachers College High School. (*Head of Department of School Administration.*) On leave. Captain in the 339th Machine Gun Battalion.

WILLIAM GEORGE LANGWORTHY TAYLOR, A. B., LL. B., Professor Emeritus of Economics and Commerce.

ISABEL THOMES, A. B., Instructor in Romance Languages.

LOUIS BRYANT TUCKERMAN, JR., A. B., Professor of Theoretical Physics.

FRED WILBERT UPSON, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)

GEORGE OLIEH VIRTUE, Ph. D., Professor of Economics and Commerce.

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*)

ELDA REMA WALKER, Ph. D., Associate Professor of Botany.

LEVA BELLE WALKER, A. M., Associate Professor of Botany.

CHARLES WILLIAM WALLACE, Ph. D., Professor of English Dramatic Literature.

JOHN ERNST WEAVER, Ph. D., Professor of Ecology.

EDITH LENORA WEBSTER, A. B., Associate Professor of Geology.

HUTTON WEBSTER, Ph. D., Professor of Social Anthropology.

DAVID DAY WHITNEY, Ph. D., Professor of Zoology and Anatomy.

EDWIN MEAD WILCOX, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station. (*Head of Department of Plant Pathology and Physiology.*)

HATTIE PLUM WILLIAMS, Ph. D., Associate Professor of Practical Sociology.

LOWRY CHARLES WIMBERLY, A. B., Instructor in Rhetoric.

ELLA CETONIA WITTIE, Instructor in Public School Drawing.

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology. (*Head of Department of Zoology.*)

HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)

MALCOLM GLENN WYER, M. L., B. L. S., Librarian. (*With rank of Professor.*)

MARION LUELLE YOUNG, Associate Professor of Physical Education and Director of the Women's Gymnasium.

Standing Committees

Course of Study—Professors Fossler (*Chairman*), Brenke, Caldwell, Frye, Hinman, Lees, Pool, Skinner, Stuff.

Advanced Standing—The Chancellor, the Dean, the Inspector of Accredited Schools.

Assignment of Recitations and Laboratories—Professors Blumberg (*Chairman*), Abbott, Alexis, A. Babbitt, Barker, Bullock, Cochran, Freeman, Hanley, Schrag, Scott, Senning, L. Walker, Wimberly.

Board of Registration—Professors Lees (*Chairman*), Almy, Bengtson, Conklin, Stuff.

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is the oldest of the colleges of the University. It offers four years of undergraduate instruction leading to the degree of Bachelor of Arts or Bachelor of Science. Its chief object is a liberal education, but by a system of "Advisers" and "major subjects" it permits of vocational specialization, especially in junior and senior years. In addition, students desiring to combine a liberal arts course with the technical one of law, medicine, or engineering are offered six-year combined academic and professional or technical groups of study leading to the degrees of bachelor of arts or bachelor of sciences at the end of four or five years and to the degree of bachelor of laws, doctor of medicine, or bachelor of science in engineering at the end of the sixth year.

ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below under "Admission by Certificate," and in the subjects for the amount indicated below under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours' elective credit, and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Association of equal rank.

Applicants who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point* is essential:

Required Subjects	Points
English	4
History (European) (a)	2
Language (foreign) (b)	6 to 4
Mathematics (algebra and geometry) (b)	4 to 6
Science (laboratory)	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and mathematics—

Ten points of foreign language and mathematics are required with a minimum of four points in either. In the Academic-Medical course Greek or Latin is recommended.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished*, showing the length of time of attendance and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in

which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that College of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privileges of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration occurs during the first four days of each semester and each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A fee of fifty cents (\$0.50) is charged for any change whatever in registration (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one college to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of the College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser, approved by the Dean of the College. A first or second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third or fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

Advisers—Every student before registering must consult an Adviser in regard to his schedule and secure his Adviser's signature to this schedule.

Freshmen and other entering students shall report to the Registrar for assignment to an Adviser. For the freshman and the sophomore years a special group of Advisers is provided, in order that students may be assisted to complete the *required subjects* as fully as possible within these years. At the end of the second year, any student who is

not taking a major may select as his Adviser any member of professorial rank in the Faculty of the College of Arts and Sciences. Any student may change his Adviser upon consultation with the Dean of the College. On the choice of a major department at the beginning of the second year, any professor in the department thus chosen becomes the student's Adviser for the remainder of his college course. No schedule of subjects or hours is valid for registration without the signature of the student's Adviser. The Dean of the College acts as a head Adviser for all students within the College, and the Dean of Women as a special Adviser to all women students.

Freshman Program—The following program for freshmen is intended to furnish a foundation, fairly broad in outline, for the four years of the college course. In addition to rhetoric, which aims to teach the student how to use correct and forceful English, each student chooses one language and one laboratory science. Each student is then given freedom to choose up to six hours of special work in any subject open to freshmen. Students who desire to specialize more intensely in one or two lines of work, beyond the six hours mentioned above, and who have no intention of remaining during the four years necessary for graduation, may on good and sufficient reasons be granted permission to pursue such a special course upon application to the Board of Registration.

From the following program for freshmen chose from 12 to 17 hours in the following order:

First: Take I.

Second: Take any one or two of II.

Third: Take any one or two of III.

Fourth: Complete the program, if not already completed, from group IV, or any subject or subjects open to freshmen.

	First Semester Hours	Second Semester Hours
I. Rhetoric 1, 2.....	2	2
Military Science (Men) or Physical Training (Women)	1	1
II. Language ¹		
German	5	5
Greek	5	5
French	5	5
Latin	5	5
Spanish	5	5

¹Any other language may be taken instead of those given in the freshman program on consent of your Adviser and instructor.

III. Mathematics	3 or 5	3 or 5
Botany	3	3
Chemistry	3 or 5	3 or 5
Physics	3	3
Zoology ²	3 or 5	3 or 5
IV. American History 1, 2.....	3	3
English History 1, 2.....	3	3
European History 1, 2.....	3	3
English Literature 1, 2.....	3	3
Geology 1, 2.....	3	3
Political Science 1, 2.....	3	3
Astronomy 5, 6.....	2	2
Economics 3, 4.....	2	2
Entomology 1, 2.....	2	2
Fine Arts	1-3	1-3
Geography 1, 2.....	2	2

Fees—The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The following fees are required of students in the College of Arts and Sciences:

Matriculation (payable on entering each college).....\$ 5.00

Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one College to another.

²Students fitting themselves for professional work in Entomology may substitute Entomology 1 and 2, taking Zoology 3 and 4 later.

¹ Incidental, each semester.....	3.00
² Library, each semester.....	1.00
Diploma, undergraduate, on graduation.....	5.00
Diploma, undergraduate, in absentia.....	15.00

Special:

Re-registration (including change in registration).....	0.50
Late registration (after registering days).....	3.00
Examination, each subject.....	1.00

Laboratory Fees—In addition to the foregoing general or miscellaneous fees, each student is required to pay the laboratory fee for each subject in which he is registered for laboratory work. These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned, to pay the amount of such waste or damage at the secretary's office, and to present his receipt therefor to the department before his semestral credit is reported to the Registrar.

Anatomy—Courses (Zoology) 51, 52, 54, \$10; (Zoology) 53, \$15.

Bacteriology and Pathology—Courses 2a, 3, 4, 5, 6, \$5.

Botany—Courses 1, 2, 15, 17, 18, 21, 22, \$2; 3, 4, 5, 6, 20, 23, 24, 25, 26, \$3; 11, 12, 13, 14, 27, 28, 29, 31, 33, 34, \$1; A, \$4; B, C, 37, 38, 40, 41, 42, 43, 44, 45, 46, for each credit hour a semester, \$1.

Chemistry—Courses 1, 2, 20, 27, 51, 52, 80, 82, 84, 86, 88, \$5; 1a, 2a, 3, 4, 28, 65, 66, 67, 69, \$4; 19, 46, \$6; 33, 34, \$8; 31, \$10; 5, 21, 22, 23E, 23F, 23G, 23IS, 23M, 23Or, 23W, 24, 39, 40, 68, 128, per credit hour \$2; 43 for 3-5 hours, 44 for 4-6 hours, \$2-\$6.

Entomology—Courses 1, 2, 3, 4, 7, 8, 10, 11, \$1; 5, 6, \$2; 15, 16, 17, 18, for each credit hour a semester, \$1.

Fine Arts—Courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22, 23, 24, 51, 52, 53, 53a, 54, 54a, 55, 56, 57, 58, 59, 60, \$2; 71, 72, 73, 74, 77, 78, 79, 80, \$10; 81, 82, 83, 84, 85, 86, 87, 88, 89, \$5.

Geography and Conservation—Courses 1, 2, 5, 6, 7, 8, 21, 22, 23, 24, 28, 52, \$1.

Geology—Courses 1, 1a, 2, 13, 18, 25, 27, 31, 33, 34, 35, 35a, \$2; 15, 16, \$3.

Histology and Embryology—Course (Zoology) 55, \$3.

Physics—Courses 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14, 17, 18, \$4.

Physiology and Pharmacology—Courses 1, 2, 3, 6, 8, 9, 19, 20, \$5; 4, 5, \$3; 10, 11, \$2; 70, \$1; 71, 72, \$4; 73, \$10.

¹In the six-year combined academic and professional groups (engineering, law and medicine) this fee is charged until such time as the candidate obtains his academic degree.

²No student paying a laboratory fee is required to pay this fee for the same semester.

Psychology—Course 1, \$1.

Zoology—Courses 3, 4, 11, 12, 13, 14, 17, 26, 29, 32, 35, \$2; 7, 15, 20, 21, 23, 25, 55, \$3; A, 24, \$4; 18, 22, \$5; 8, 9, \$1; 33, 34, 36, 37, 43, 3 (with additional laboratory work), 4 (with additional laboratory work), for each credit hour a semester, \$1.

REQUIREMENTS FOR GRADUATION

University Credits (125 hours)—For the degree of Bachelor of Arts or of Bachelor of Science, 125 University credit hours¹ are required. No student is recommended for a degree who is not within eighteen hours of this requirement at the beginning of his last semester.

No student is permitted to be a candidate for more than one degree at a time. Not more than one degree can be conferred upon any student on any commencement day. A graduate holding the degree of Bachelor of Arts may receive the degree of Bachelor of Science by an additional year of work (30 hours), two-thirds of which must be given to a major in Exact Science, Physical Science, or Biological Science. A graduate holding the degree of Bachelor of Science may receive the degree of Bachelor of Arts by an additional year of work (30 hours), two-thirds of which must be given to a major in the Mother Tongue, Classics, Modern Language, History, Philosophy, or Economics.

Required Subjects (8 hours)—Each candidate for graduation from the College of Arts and Sciences is absolutely required to complete the following subjects:

	Hours
Rhetoric (courses 1 and 2).....	4
² Military Science (men) or Physical Education (women)....	4

¹A course receives one hour of credit for each one-hour recitation or lecture which presupposes two hours of preparation or for the equivalent of a three-hour laboratory period during each of the eighteen weeks of a semester.

²Only credibly attested physical disability, or membership in a religious organization whose creed forbids participation in warfare in any form (on the part of parent in case of a minor), are accepted as excusing from the requirement in military science. Those excused for conscientious scruples are required to do work in Physical Education equivalent in amount. Unless excused or reprieved, each undergraduate man or woman must fulfill this requirement during the freshman and sophomore years, or begin the work immediately upon matriculation. A student excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours' credit required of other candidates for the degree sought. Thoro drill or physical education elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of either subject at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

Optional Subjects (36 to 44 hours)—Each candidate for the bachelor's degree is required to choose two groups from each of the following divisions (A, B, C),¹ in the amount indicated, which shall be completed before the end of his junior year:

	Hours
A (1) Mother Tongue	6
(2) Classics (Greek or Latin) ²	10
(3) Modern Language (other than English).....	10
B (4) History	6
(5) Philosophy	6
(6) Economics or Political Science.....	6
C (7) Exact Science (Mathematics).....	6
(8) Physical Science (Chemistry or Physics).....	6
(9) Biology (Botany or Zoology).....	6

Each Sophomore shall take at least one subject (other than Rhetoric and Military Science or Physical Education) continued from his freshman year

Specialization—Students shall be permitted to choose their elective studies without reference to majors or minors; but each student before graduation shall complete at least two years work in some one department (minimum 16 hours). Students who wish to specialize after one year of residence may select any department, with any professor in that department as adviser, and may take therein a major of not less than 24 nor more than 45 hours³; such students retaining the right to choose any elective subject aside from the major. Students in the Teachers College shall meet the major and minor requirements for the University Teachers' Certificate.

Grades—Not more than 20 per cent of the students' work below a grade of 70 per cent is credited on requirements for graduation.

Bachelor of Science Degree—Any student in the College of Arts and Sciences who majors in a scientific department and, of the 125 hours required for graduation, completes not less than sixty hours in mathematics and science may take the degree of Bachelor of Science instead of the degree of Bachelor of Arts. Such student, however, shall complete six of the nine groups (A, B, or C).

¹A subject from the groups taken in the student's first semester shall be continued in his second semester.

²A student may substitute a second year of classics (Greek or Latin) for any one of B or C.

³A student may register in the six-year combined Academic-Law course in his senior year and elect not more than 24 hours in the College of Law. (See the announcement of the College of Law.)

**Course in Journalism Leading to the A. B. Degree with a
Certificate in Journalism**

The following course in preparation for journalism, leading to the Degree of Bachelor of Arts with a Certificate in Journalism, was established in 1917:

FIRST YEAR		
	First Semester	Second Semester
Military Science	1	1
Rhetoric	2	2
Foreign Language	5	5
Science	3	3
History	3	3
Political Science	3	3
	17	17
SECOND YEAR		
Military Science	1	1
History	3	3
Foreign Language	3 or 5	3 or 5
Science	3	3
News Writing	2	2
Economics	3	3
Elective	2 or 0	2 or 0
	17	17
THIRD YEAR		
History of English Literature.....	3	3
Editorial and Special Studies.....	2	2
Newspaper Editing	2	2
History	3	3
Political Science, Economics, Sociol- ogy, Philosophy	3	3
Elective	3	3
	16	16
FOURTH YEAR		
History of Journalism.....	3	3
Electives	10	10
	13	13

(Continuation
of first year
language)

For description of the professional courses in Journalism see
"Courses of Instruction."

Practical Training

In addition to the regular classroom instruction which emphasizes practical training by using, for example, the news of the city as a laboratory, there are open to students varied opportunities for practical experience in writing, editing, and business management: Positions on the staffs of student publications—The Daily Nebraskan; *Awgwan*, a humorous bi-weekly; *Agriculture*, issued by the students in the College of Agriculture; The Nebraska Engineering Blue Print; and The Cornhusker, the University Annual; positions on the staffs of Lincoln Newspapers; and service as University correspondent for Nebraska daily and weekly newspapers. Competent students are recommended for positions on newspapers during the summer.

Purpose

This four-year course in preparation for Journalism is intended to indicate those lines of study which students looking forward to professional work in Journalism should pursue—technical instruction and practice in Journalism and supplementary instruction in those subjects essential for the broadly equipped journalist—economics, history, literature, philosophy, political science and sociology.

Laboratory Equipment

In the Journalism reading room is a collection of journalism reference books and periodicals; current files of representative newspapers of the United States; material illustrative of the history of journalism, including Nebraska journalism, and of printing; and an indexed "morgue" collection of several hundred typical newspaper "stories" and articles. Accessible to journalism students are also the 5,000 bound volumes of newspapers in the library of the Nebraska State Historical Society which receives 500 newspapers; the fifty newspapers and periodicals received at the Nebraska Legislative Reference Bureau; and the numerous periodicals in the University Library.

Typewriting and Shorthand

Students in the Course in Journalism may take with college credit the courses in Typewriting and Shorthand offered in the Teachers College High School. Credit is given on the scale of three hours' college for five hours' high school work. Concerning this work, Journalism students should confer with the professor in charge of the Course.

Selection and Order of Studies

In selecting and ordering their programs of studies in this outlined course, which is largely elective and which permits of specialization, students should confer with the professor in charge of the Course.

Graduation

For the degree of Bachelor of Arts, 125 college hours are required. Students who have completed the Course in Journalism will receive the Certificate in Journalism.

Special Lectures

Lectures on various aspects of journalism are given annually by well-known newspaper men of Nebraska and of other states. The speakers from outside the state in 1916-1918 were:

Lincoln Steffens, New York—"The Secret Service of Journalism."

Henry J. Allen, editor of The Wichita (Kans.) Beacon—"Journalism and The Universities."

Charles Edward Russell, New York—"Journalism."

Charles W. Dillon, managing editor of the Capper Farm Papers, Topeka, Kansas—"The Country Newspaper and Its Service."

Horace M. Davis, editor of the Ord (Nebraska) Journal—"Country Journalism."

Sergt. Paul A. Havenstein, New Jersey (American Expeditionary Force, France)—"French Newspapers and Life."

Journalistic Societies

Sigma Delta Chi and Theta Sigma Phi are national journalistic societies for men and women respectively. Membership is by election.

COURSES OF INSTRUCTION

The courses of instruction are grouped together, in later pages of this catalog, under the heading "Courses of Instruction."

The School of Commerce
In the
College of Arts and Sciences

OFFICERS OF ADMINISTRATION AND INSTRUCTION

- ¹SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
 WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.
- ²ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences.
- JAMES EDWARD LE ROSSIGNOL, Ph. D., LL. D., Director of the School of Commerce.
- FLORENCE IRWIN MCGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*)
-
- LEON EMMONS AYLSWORTH, A. M., Professor of Political Science and Sociology.
- NELS AUGUST BENGTON, A. M., Associate Professor of Geography and Conservation.
- PHILO MELVIN BUCK, Jr., A. M., Professor of Rhetoric. On leave. Captain in the Adjutant General's Division, 34th Division.
- THEODORE TUNISON BULLOCK, A. M., Instructor in Economics and Business Law.
- HOWARD WALTER CALDWELL, A. M., Professor of American History. (*Head of Department of American History.*)
- GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)
- DANA FINLEY COLE, A. M., Instructor in Marketing. On leave. Third Officers' Training Camp.
- CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)
- CARL CHRISTIAN ENGBERG, Ph. D., Professor of Applied Mathematics and Executive Dean.
- MINNIE THROOP ENGLAND, Ph. D., Assistant Professor of Economics.
- FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)
- MILLER MOORE FOGG, A. M., Professor of Rhetoric.

¹Absent on leave from February 1 to September 1, 1918 in War Service.

²Deceased.

- CHARLES FORDYCE, Ph. D., Professor of Educational Theory and Practice and Dean of the Teachers College. (*Head of the Department of Educational Theory and Practice.*)
- LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)
- CLYTUS ALLEN FREEMAN, A. M., Acting Associate Professor of Economics and Commerce.
- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- JAMES EDWARD LE ROSSIGNOL, Ph. D., LL. D., Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*)
- OSCAR ROSS MARTIN, A. M., Associate Professor of Accounting and Business Administration.
- CLARK EDMUND PERSINGER, A. M., Professor of American History.
- ALBERT ALISON REED, A. M., Inspector of Accredited Schools and Professor of Secondary Education. (*Head of Department of Secondary Education.*)
- LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Professor of English Language and Literature and Dean of the Graduate College. (*Head of Department of English Language and Literature.*)
- CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics. (*Head of Department of Physics.*)
- ¹GEORGE ASBURY STEPHENS, Ph. D., Associate Professor of Economics and Commerce.
- GEORGE OLIEN VIRTUE, Ph. D., Professor of Economics and Commerce.
- HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)

¹Absent on leave.

ORGANIZATION AND PURPOSE

The School of Commerce was created by action of the Board of Regents in May, 1913, as a part of the College of Arts and Sciences for the purpose of providing for students preparing for business or allied lines of work, vocational training suited to their needs. Business is now, in its higher forms, as much a learned profession as theology, law, medicine, engineering, agriculture and other difficult and complicated arts, and demands of those who would rise from the ranks a thorough, scientific and practical training. Practical training is obtained chiefly in actual business experience, but theoretical and scientific education, with the broad view and large grasp so essential to the highest success, can best be obtained in the University.

Many occupations are open to those who have had such preparation. There is a large and increasing demand for highly efficient men and women in accounting, banking, insurance, journalism, transportation, manufacturing, domestic and foreign commerce; for experts in the Public Service, especially with the Federal Trade Commission, the Department of Labor, and the Consular Service; and for teachers of economics and commerce in high schools and colleges. In fact, it is hard to mention any field of business activity in which the demand for efficient service does not far exceed the supply. It is a question of the supply of officers for the industrial army, and those who aspire to places of trust must first go thru a long and arduous course of training.

ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES

Credentials which are accepted towards admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least one month before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points,

from one of the approved sources given below, under "Admission by Certificate," and in the subjects for the amount indicated below, under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted with one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of eight hours' elective credit and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French, and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

of attendance and for each course, the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point* is essential:

Required Subjects	Points
English	4
Language (foreign) (b)	6 to 4
Mathematics (algebra and geometry) (b)	4 to 6 10
History (European) (a)	2
Science (laboratory)	2
Electives Subjects	
Other subjects taught in an approved manner in an accredited secondary school	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with minimum of four points in either.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other Universities or Colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an offi-*

cial certified statement of the college work already accomplished showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) an official certified statement of the record of secondary school work showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing: (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering

as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration week, each student¹ is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A fee of fifty cents is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester, a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extension of time may be granted by instructors to students for removing a "condition" or "incomplete."

¹Freshmen schedules are arranged for the year. Their registration for the second semester is, in general, merely a formality consisting in the payment of the necessary fees.

Fees. The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The following fees are required of students in the College of Arts and Sciences:

Matriculation (payable on entering each college).....	\$5.00
Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one College to another.	
Incidental, each semester.....	3.00
Library, each semester.....	1.00
Diploma, undergraduate, on graduation.....	5.00
Diploma, undergraduate, in absentia.....	15.00

Special:

Re-registration (including change in registration).....	0.50
Late registration (after registration days).....	3.00
Examination, each subject.....	1.00

Laboratory Fees. In addition to the foregoing general or miscellaneous fees, each student is required to pay the laboratory fee for each subject in which he is registered for laboratory work. These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned, to pay the amount of such waste or damage at the Secretary's

*No student paying a laboratory fee is required to pay this fee for the same semester.

office, and to present his receipt therefor to the Department before his semestral credit is reported to the Registrar. See General Catalog for list of these fees.

REQUIREMENTS FOR GRADUATION

University Credits (125 hours). For the degree of Bachelor of Arts 125 University credit hours are required. Students who have completed the prescribed 4 years course in Commerce will receive the degree of Bachelor of Arts and the Certificate of the School of Commerce.

ORDER OF COURSES¹

For the present only one program of courses has been prepared, and it is expected that all students registering in the School of Commerce will conform strictly to the prescribed order, unless they have obtained special dispensation from the Director because of conflicts in courses or for other sufficient reasons. It should be noted, however, that a considerable amount of election is permitted after the freshman year, for the benefit of students wishing to specialize in certain lines of work. For example, students desiring to specialize in accountancy may take a number of advanced courses in that subject. Students preparing for banking, insurance, consular service, journalism and foreign trade will find other elective courses specially suited to their needs.

GENERAL COURSE IN COMMERCE

First Year			
First Semester		Second Semester	
Hours		Hours	
Rhetoric 1.....	2	Rhetoric 2.....	2
Military Science (Men) or Phys- ical Education (Women).....	1	Military Science (Men) or Phys- ical Education (Women).....	1
Foreign Language.....	5	Foreign Language.....	5
Mathematics or Science ²	3	Mathematics or Science ²	3
Principles of Accounting (Econ. 5).....	3	Principles of Accounting (Econ. 5a).....	3
Commercial Geography (Econ. 3) or Industrial Geography (Geog. 5).....	2	Commercial Geography (Econ. 4) or Agricultural Industries (Geog. 6).....	2
<hr/>		<hr/>	
16		16	

¹A total of 125 hours is required for graduation from this course.

²Students in the School of Commerce are advised to take Mathematics in the first year.

Second Year

First Semester	Second Semester
Hours	Hours
English Literature or Rhetoric.. 3	English Literature or Rhetoric.. 3
Military Science (Men) or Phys- ical Education (Women)..... 1	Military Science (Men) or Phys- ical Education (Women)..... 1
Mathematics or Science..... 3	Mathematics or Science..... 3
History 3	History 3
Principles of Economics (Econ. 1) 3	Principles of Economics (Econ. 1a.) 3
Marketing ¹ (Econ. 27)..... 2	Advertising ¹ (Econ. 27a)..... 2
One of the following:	One of the following:
Economic History of the United States (Econ. 9)..... 2	Economic History of the United States (Econ. 10).... 2
Foreign Language.....3-5	Foreign Language.....3-5
Psychology ² 3	Psychology ² 3
Cost Accounting (Econ. 5b).... 2	
17-18	17-18

Third Year

First Semester	Second Semester
Hours	Hours
Political Science 1..... 3	Political Science 2..... 3
Business Law (Econ. 13)..... 3	Business Law (Econ. 14)..... 3
Money and Banking (Econ. 2).... 3	Business Organization (Econ. 28) 3
One or more of the following:	One or more of the following:
Advanced Accounting (Econ. 5c) 3	Advanced Accounting (Econ. 5d) 3
Fire Insurance (Econ. 6)..... 3	Practical Banking (Econ. 2a) 3
Mathematics 41 (Statistics).... 3	Economic Crises (Econ. 19).. 2
Electives .....0-6	Life Insurance (Econ. 6a)..... 3
16-17	Mathematics 42 (Insurance).. 3
	Electives .....0-6
	16-17

¹Students taking five hours of Foreign Language in the second year may take Marketing and Advertising in the third year.

²Required of Candidates for the University Teachers' Certificate.

Fourth Year

First Semester	Second Semester
Hours	Hours
Labor Problems (Econ. 35)..... 3	Methods of Industrial Peace
Corporation Finance (Econ. 25)	(Econ. 36) or Investments
or Public Finance (Econ. 31)..2-3	(Econ. 25a) .....3-2
One or more of the following:	Railway Economics (Econ. 24).. 3
Advanced Economics (Econ.	One or more of the following:
15) 2	Advanced Economics (Econ.
Socialism (Econ. 37)..... 3	16) 2
Statistics (Econ. 34)..... 2	Trusts (Econ. 36)..... 3
Economic Seminar (Econ. 45) 1-3	Economic Seminar
International Law 1..... 3	(Econ. 46).....1-3
Philosophy 3	International Law 2..... 3
Auditing (Econ. 5e)..... 2	Philosophy 3
Electives .....0-10	Electives .....0-10
16-17	16-17

COURSES FOR PROFESSIONAL ECONOMISTS

Students wishing to become teachers of Economics and Commerce in colleges and universities, or preparing for the Public Service, should consult with the Director and other members of the Faculty as to the best preparation for such work. In general, it may be said that professional economists require as a basis for their more special studies a considerable knowledge of English, Mathematics, European and American History, Foreign Languages, Physical Science, Political Science, Sociology, Philosophy and Law. In order to obtain this broad foundation students should take not more than a Major (24-32 hours) in Economics during their college course and should postpone some of their economic studies until their graduate years. A student cannot thoroly prepare himself for this work without a full college course of four years and a graduate course of three years leading to the Doctor's degree.

COURSES FOR HIGH SCHOOL TEACHERS

Students preparing to teach Economics and Commerce in High Schools may take a Minor (12-16 hours) or a Major (24-32 hours) in the School of Commerce. The courses recommended for a Minor are:

Principles of Economics.....	6 hours
Commercial Geography or Industrial Geography.....	4 hours
Principles of Accounting.....	6 hours

 16 hours

Students taking a Major are advised to take in addition to the above:

Economic History.....	4 hours
Advanced Economics.....	4 hours
Business Law.....	6 hours
Marketing	2 hours

16 hours

To students wishing to take additional courses, the following are recommended as being especially useful to teachers:

Money and Banking.....	3 hours
Business Organization.....	3 hours
Corporation Finance.....	2 hours
Investments	2 hours
Trusts	2 hours
Public Finance.....	3 hours
Railway Economics.....	3 hours
Labor Problems.....	3 hours
Advertising	2 hours

SHORTHAND AND TYPEWRITING

As teachers of Commerce usually need a knowledge of Shorthand and Typewriting, students should, if possible, acquire the elements of these subjects before entering the School of Commerce. For the benefit of those who have not had this preparatory training courses in Shorthand and Typewriting are given in the Teachers College High School. These courses may be taken as electives by students registered in the School of Commerce, and they may receive credit for the work on the scale of three hours of college credit for five hours of High School credit.

REQUIREMENTS FOR TEACHERS' CERTIFICATES

The University Teachers' Certificate. Students in the School of Commerce may register in the Teachers College in their junior and senior years and secure the Teachers College Diploma and University Teachers' Certificate, a First Grade State Certificate, by meeting the requirements of this college, presenting courses in the School of Commerce for a Minor (12 to 16 hours) or a Major (24 to 32 hours) as teachers of Commerce. Intending teachers should at the time of registration confer with the Dean of the Teachers College, that the courses may be properly arranged for the University Teachers' Certificate or for the particular certificate sought.

City State Certificate. Those graduates of the University qualifying for either the University Teachers' Certificate or the first grade County Certificate will receive the City State Certificate entitling

them to teach in the public schools of Nebraska in accordance with section 5, subdivision 9a, School Laws 1911.

First Grade County Certificates. The county superintendent may, at his discretion, grant a first grade county certificate to graduates of colleges, universities and normal schools, under rules prescribed by the State Superintendent of Public Instruction. A year of successful experience or the presentation of credit for twelve hours of education has been prescribed as a requirement for the issuance of a certificate under this provision. Students should consult the Dean of the Teachers College early in their course in order that their way may be so planned as to make them as valuable as possible in the school room, and that they may have advice as to means of securing a certificate if the emergency of teaching before graduation should arise.

ACCOUNTANCY

The courses in accountancy have been designed to meet the needs of three classes of students: those who wish to become business executives, those who wish to become professional accountants, and those who wish to become teachers of commercial subjects. The university is especially fitted to give the broad training essential to those entering the field of public accountancy, and the work has been so arranged as to meet all the requirements, aside from the required practical experience, of the examinations for the degree of Certified Public Accountant in the State of Nebraska and in other states. Students who expect to follow this line of work should consult the Director upon entering the University.

CIVIL SERVICE

Attention is given to the mapping out of courses best suited to those preparation for government positions with the Federal Trade Commission, the Department of Labor, the Customs Service, the Internal Revenue Service, the Immigration Service, the Sub-treasury Service, and the like. Dates for examination, sample questions, and general information will be given upon application to the Director.

CONSULAR SERVICE AND FOREIGN TRADE

Students preparing for work of this character should give special attention to geography, international law and modern languages, especially German, French and Spanish. There are many openings for young men in Mexico and South America where a knowledge of Spanish is essential, while Portuguese is useful in Brazil and elsewhere.

WAR SERVICE

The war has created many opportunities for both men and women both directly and indirectly. Men who have had business training are particularly well fitted for work in the Quartermaster Corps and in other departments of the army and navy. Students who do not join the fighting force can do important war service by helping to carry on the industries of the country.

This is particularly true of women, who are being called in large numbers to take the place of men.

INSURANCE

The School of Commerce provides courses in Insurance running thru the year, and a course in mathematical principles of Insurance given in the Department of Mathematics. Inasmuch as insurance men require a very broad training, they should arrange their course with that end in view.

JOURNALISM

In the College of Arts and Sciences is a four year curriculum leading to the degree of Bachelor of Arts with a Certificate in Journalism. To this course students looking toward journalistic work are referred.

COMMITTEE ON EMPLOYMENT

The School of Commerce is constantly receiving calls for men with University training to fill administrative positions in business concerns of all kinds and these calls have greatly exceeded in number the men available. There is also an increasing number of requests for graduates of the School of Commerce to serve as teachers of commercial subjects in high schools and colleges. A special committee of the faculty has been appointed to assist students in securing desirable positions upon graduation, also to keep such students informed after graduation of positions in which they may be interested.

THE UNIVERSITY COMMERCIAL CLUB

The University Commercial Club is an organization of students which seeks to occupy a place in the University similar in many respects to that of commercial clubs in their respective localities. Meetings are held once a week. All students registered in the School of Commerce are eligible to membership.

THE UNIVERSITY BUSINESS WOMAN'S CLUB

The Business Woman's Club is open to women taking commercial or economic courses and thru associate membership to all women prepar-

ing for work outside of the home. The object of the club is chiefly to furnish information thru lectures and papers as to openings for women in all lines of work. Meetings are held every two weeks.

ALPHA KAPPA PSI

Alpha Kappa Psi is a national society organized to foster scientific research in the fields of Commerce, Accounts and Finance.

SPECIAL LECTURES

In connection with many of the courses and with the meetings of the University Commercial Club, business men of Lincoln, Omaha and other parts of the state have been invited to give special lectures on the more practical side of the work, such as practical banking, insurance, advertising, salesmanship, special problems in private and public accounting. In this way the more theoretical work of the classroom is brought into close relation with the more practical aspects of business life.

SPECIAL LECTURES 1917-1918

Senor Alejandro Alvarez, Secretary, Pan-American Institute of International Law—*"Reasons for German Commercial Success in South American Trade."*

J. H. Avery, Advertising Manager, Hardy Furniture Company—*"Wasted Money in Advertising."*

L. H. Daft, Credit Manager, Herpolsheimer Company—*"Store Management."*

Hon. Thomas Hall, Nebraska Railroad Commission—*"The Nebraska Stock and Bond Act."*

W. G. Hastings, Dean of the College of Law, University of Nebraska—*"Judgments."*

W. J. Hiller, Assistant Actuary, Bankers' Life Insurance Company—*"Insurance as a Profession for College Men."*

H. P. Lau, Wholesale Firm of H. P. Lau & Company—*"Relation of the Wholesaler and the Retailer."*

A. C. Murray, Lincoln Pure Butter Company—*"Making the Most of the Personal Touch."*

H. B. Neece, Ad. Writer, Rudge & Guenzel Company—*"The Psychology of Business."*

M. L. Palmer, General Agent, Aetna Life Insurance Company, Lincoln—*"Life Insurance for Women."*

G. F. Schwake of Grainger Brothers—*"The Wholesale Grocery Business."*

N. Z. Snell, President Midwest Life Insurance Company—"War Insurance."

Hon. H. G. Taylor, Nebraska Railroad Commission—"Federal Valuation of Railroads."

John Z. White, Chicago—"The Philosophy of the Single Tax."

N. E. Williams, Sales Manager, Cushman Motor Works—"Market Problems of the Jobber."

A. G. Wolfenbarger, Attorney—"The Laws of Nebraska in Relation to Women."

The School of Fine Arts
In the
College of Arts and Sciences

OFFICERS OF ADMINISTRATION AND INSTRUCTION

¹SAMUEL AVERY, Ph. D., L.L. D., Chancellor of the University.

WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor.

²ELLERY WILLIAM DAVIS, Ph. D., Dean of the College of Arts and Sciences.

PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts.

FLORENCE IRWIN McGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*)

HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy, in charge of Aesthetics.

GROVE ETTINGER BARBER, A. M., Professor of Roman History and Literature. (*Head of Department of Roman History and Literature.*)

HENRIETTA McELROY BROCK, Instructor in China Painting.

RAYMOND GUSTAVUS CLAPP, Ph. B., M. D., Professor of Physical Education and Director of Men's Gymnasium. (*Head of Department of Physical Education.*)

CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)

WILLIAM FRANCIS DANN, A. M., Professor of the History and Criticism of Fine Arts. (*Head of Department of the History and Criticism of Fine Arts.*)

FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)

CHARLES FORDYCE, Ph. D., Dean of the Teachers' College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)

PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)

BLANCHE CHLOE GRANT, A. B., Associate Professor of Drawing and Painting.

PAUL HENRY GRUMMANN, A. M., Professor of Modern German Literature.

¹Absent on leave from February 1 to September 1, 1918 in war service.

²Deceased.

- AMANDA HENRIETTA HEPPNER, A. M., Acting Dean of Women.
- HARRIET ALICE HOWELL, A. M., Associate Professor of Elocution and Dramatic Art.
- WINIFRED FLORENCE HYDE, Ph. D., Assistant Professor of Philosophy.
- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)
- ¹ALICE MARIE LOOMIS, Professor of Home Economics. (*Head of Department of Home Economics.*)
- GERTRUDE EMILY MOORE, A. M., Assistant Curator Art Gallery.
- LOUISE EASTERDAY MUNDY, Instructor in Drawing and Painting.
- LOUISE POUND, Ph. D., Professor of the English Language.
- JESSE EPHRAIM RASMUSEN, B. Sc., M. E., Assistant Professor of Applied Mechanics and Machine Design.
- CARRIE BELLE RAYMOND, Director of Music.
- ALBERT ALISON REED, A. M., Inspector of Accredited Schools and Professor of Secondary Education, Acting Director of University Extension. (*Head of Department of Secondary Education.*)
- HARRIS L. ROBERTS, Colonel U. S. Army, Retired, Professor of Military Science and Tactics and Commandant of Cadets. (*Head of Department of Military Science and Tactics.*)
- ROBERT DOUGLAS SCOTT, A. M., Associate Professor of Modern English Drama.
- LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College and Professor of English Languages and Literature. (*Head of Department of English Language and Literature.*)
- JACOB SINGER, A. M., Assistant Professor of the Theory and History of Music.
- JULIA VANCE, A. B., B. Sc., Associate Professor of Home Economics. (*Acting Head of Department of Home Economics.*)

¹Absent on leave.

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology.
(*Head of Department of Zoology.*)

ELLA CETONIA WITTIE, Instructor of Public School Drawing.

MARION LUELLA YOUNG, Assistant Professor of Physical Education and Director of Women's Gymnasium.

Committees of the Faculty

Collections and Exhibits—Grant, Alexander, Brock, Dann, Mundy.
Advanced Standing—The Chancellor, Director, Inspector of High Schools.

Musical Organizations and Musical Functions—Raymond, Dann, Hyde, Jones.

Musical Courses and Accrediment—Singer, Dann, Davis, Hyde, Raymond.

Courses of Study—Dann, Grant, Howell, Raymond, Singer.

Nominations—Barber, Dann, Grant, Howell, Raymond, Singer.

Accredited Teachers of Applied Music

Marcel Roger de Bouzon.....	Voice
Mrs. Sara Cosgrove.....	Voice
Mrs. Mabel Driggs.....	Voice
Lillian Eiche.....	Violoncello
J. Frank Frysinger.....	Organ and Piano
Mrs. Will Owen Jones.....	Piano
Howard Kirkpatrick.....	Voice
Konrad Kriedemann.....	Piano
¹ Louise LeBaron.....	Voice
Gustav C. Menzendorf.....	Violin
August Molzer.....	Violin
Mrs. Lillian Helms Polley.....	Voice
Jean L. Schaefer.....	Violin
Sidney Silber.....	Piano
Mrs. Jacob Singer.....	Piano
Mrs. Lura Schuler Smith.....	Piano
Carl Steckelberg.....	Violin
Laure de Vilmar.....	Voice
Walter Wheatley.....	Voice
Louise Zumwinkel Watson.....	Piano

¹Deceased.

ORGANIZATION

By the action of the Regents of the University of Nebraska, the School of Fine Arts was reorganized in July, 1912, as a part of the College of Arts and Sciences. The school includes the work offered in Aesthetics; Drawing and Painting; Elocution and Dramatic Art; the History and Criticism of the Fine Arts; Architecture; and Music.

The School of Fine Arts offers three special courses leading to the B. F. A. degree in the College of Arts and Sciences; in the first, Drawing and Painting form the nucleus; in the second, Dramatic Art; in the third, music. The purpose of these courses is primarily cultural, but they offer an excellent basis for advanced work in artistic technique.

ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

Admission to Freshman Standing

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points; for conditional admission a minimum of 28 entrance points, from one of the approved sources given below, under "Admission by Certificate," and in the subjects for the amount indicated below, under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours¹ elective credit and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course, the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified state-

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

ment of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

All students who wish to register for courses in Applied Music must present themselves for entrance examination in this field.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point is essential*.

Required Subjects	Points
English	4
History (European) (a)	2
Language (foreign) (b)	6 to 4 }
Mathematics (algebra and geometry) (b)	4 to 6 }
Science (laboratory)	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with a minimum of four points in either.

Entrance Requirements in Applied Music

The following entrance requirements presuppose the necessary elementary work preparatory to them. The substitution of work of equal worth and difficulty is allowed.

a. Pianoforte: Czerny's School of Velocity and the easier Haydn and Mozart Sonatas.

b. Violin: The first ten of Kreutzer's Forty Etudes, and the easier Handel and Mozart Sonatas.

c. Violoncello, Organ and Orchestral Instruments: Entrance examinations equal to the above grade.

d. Voice: Ability to sing intervals of major and minor scale. Ability to play simple accompaniments on the piano at sight or an equivalent accomplishment on some other instrument. Where natural endowment both in range and quality of voice warrants, instrumental requirement may be waived.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time in attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching

or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

Special Students. Altho it is the main purpose of the school to encourage students of college grade to take up work in the fine arts, it is recognized that an opportunity should be offered for children of unusual talent, who are unable to satisfy the entrance requirements. Since these do not come under the regular category of University students, special fees ranging from \$10 to \$25 per semester will be charged.

REGISTRATION

Registration occurs during the first four days of each semester and each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration is filed in the office of the Registrar. A fee of 50 cents is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Advisor approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical

Education in any one semester; a third and fourth year student may not register for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. Students registered for Applied Music must receive a minimum of twelve hours credit to make their credits in music valid. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

REGULAR UNIVERSITY FEES

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

Matriculation, (payable on entering each College).....\$5.00

Being statutory this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.

Incidental, each semester..... 3.00

Library, each semester..... 1.00

Late registration (after registration days)..... 3.00

Re-registration (including change of registration)..... .50

Examination 1.00

Diploma, undergraduate (on graduation)..... 5.00

Diploma, undergraduate in absentia.....15.00

Fine Arts—Courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18,
19, 20, 21, 22, 23, 24, 51, 52, 53, 53a, 54, 54a, 55, 56, 57, 58,

59, 60, \$2; 95, 96.....	5.00
Zoology 17, \$2.00; 18.....	5.00

DRAWING AND PAINTING

For special students not regularly matriculated in the University

Drawing and Painting, including use of studio:

One lesson a week, each semester.....	\$10.00
Students under 16 years, one lesson a week.....	6.00
Two lessons a week, each semester.....	18.00
Three lessons a week, with use of studio daily, each semester	25.00

China Painting, including use of studio:

One lesson a week, each semester.....	12.00
Two lessons a week, each semester.....	23.00
Three lessons a week, each semester.....	33.00

MUSIC

Theory and History of Music, tuition, each semester.....	\$10.00
Applied Music, Registration, each semester.....	5.00

The University does not concern itself with the tuition fees for Applied Music. Students must make financial arrangements with accredited teachers directly.

LOCATION AND EQUIPMENT

The School of Fine Arts occupies the third floor of the University Library Building. Here the fine arts collections of the University are housed in accordance with approved methods. Card catalogs of original paintings owned in Nebraska are also provided and are accessible to the public. An excellent collection of plaster casts and still life objects is on exhibition in the corridors and the gallery. The Fine Arts Gallery is a well lighted and spacious room. It contains reproductions of the masterpieces, and the pictures of the Nebraska Art Association and the University, including the following paintings:

Edward H. Barnard—*The Landmark*, John F. Carlson—*Winter Dreamdays*, Lucy Conant—*The Marshes*, Andre Dauchez—*The Reefs*, Chas. W. Eaton—*Canal at Bruges*, Herbert Faulkner—*Venice*, Birge Harrison—*Harvard Bridge*, Sara S. Hayden—*The Girl in Green*—*Portrait of A. H. Edgren*—*Portrait of Ellen Smith*, Sara W. More—*Portrait of Charles H. Gere*, Elizabeth Nourse—*Little Peasant of Brittany*, Leonard Ochtman—*Evening on the Mianus Bridge*, Cora Parker—*A Brittany Kitchen*—*The Prune Orchard*, Edgar Payne—*The Hills of El-Toro*, Edward H. Potthast—*The Waning Day*, Robert Reid—*The Golden Screen*, George Gardner Symons—*Vibrant Notes of Autumn*.

GIFTS TO THE ART GALLERY

The regents of the University of Nebraska are heartily in favor of developing an adequate gallery of fine arts. Such a gallery open daily to the public would be a constant influence for good. It would powerfully stimulate all of the industries and crafts and refine our life generally. The regents will support this interest as vigorously as the resources of the University will permit. Since these resources are limited, the regents invite the co-operation and support of public-spirited associations and individuals. In addition to original works of art, copies of the masterpieces and collections of art objects are needed in order to give the students and the public some knowledge of the whole range of art activity.

EXHIBITIONS

The Annual Exhibition of the Nebraska Art Association is held in the Fine Arts Gallery of the University. This is the only exhibition involving an admission fee, and the proceeds are devoted to the purchase of original paintings to be added to the collection of the association. Students are admitted at one-half the usual rates. At all other times special exhibits are on display and are accessible to the public free of charge. In addition to the collections of the University, loan exhibits are procured whenever they are available.

SPECIAL LECTURES

Special lectures by experts are provided from time to time and are free to students and the public.

SPECIAL SUMMER CLASS

If fifteen applications are made before the first of June, a special class in Drawing and Painting will be organized in Colorado during the Summer Session. The fee for this class will be twenty dollars.

UNIVERSITY CHORUS

The University Chorus, open to all students, give several cantatas and oratorios each year and participates in the May Musical Festival. The Cadet Band and the University Orchestra, give several home concerts annually and furnish music on occasions of general University interest.

COURSES IN APPLIED MUSIC AND ACCREDITMENT

The University has no regular staff of teachers of Applied Music. Upon nomination of the Committee on Music and Accreditation, the Regents appoint accredited teachers of Applied Music from year to

year. Students who pursue their work under such instructors receive their musical credits under the same regulations that govern other departments of the University. Students who wish to study Applied Music under instructors, not on the accredited list, must present themselves for examination before credit is allowed.

RECITALS AND DRAMATIC PERFORMANCES

Advanced students in Elocution and Dramatic Art present University plays at the Temple Theatre once a month during the University year. Dramatic performances and recitals by advanced students of elocution and dramatic art, will be scheduled in the state, provided they do not interfere with the regular work. Applications may be sent to the Director.

SPECIAL COURSES

Students of talent in Drawing, Dramatics, or Music, are given an opportunity to qualify in these fields, either as general students in the College of Arts and Sciences or as students of the School of Fine Arts. Students enrolling in the College of Arts and Sciences are restricted to twenty-four hours credit in Drawing and Painting, to eighteen hours of Elocution and Dramatic Art, and to eight hours of Applied Music. Those who enroll in the School of Fine Arts have an opportunity to devote approximately one-half of their time to their special subject and receive the degree, Bachelor of Fine Arts. All groups of students who intend to teach are advised to enroll for the following courses in Education required for certificates:

	Hours
Teachers' Course in Fine Arts.....	3
History of Modern Education.....	3
Principles of Teaching.....	3
Practice teaching in the Fine Arts.....	3

Bachelor of Arts with Major in Fine Arts

Students of the College of Arts and Sciences, who wish to study art primarily for its cultural value, may select one of the fine arts as a major subject. They are required to fulfill all the requirements of the College and must select the Director of the School of Fine Arts as their advisor. They are required to complete forty hours of work in their special field, distributed as follows:

(a) Drawing and Painting, 24 hours. Aesthetics and Art Interpretation, 16 hours.

(b) Elocution and Dramatic Art, 18 hours. English and Foreign Drama, 22 hours.

(c) Applied Music, 8 hours. Theory and History of Music, 16 hours.

Certificates for Supervisors of Music and Drawing

Students who complete full entrance requirements and sixty (60) college hours including the following, upon recommendation of the Faculty, will receive State Certificates for Supervisors of Music or Drawing:

Supervisors of Music

Public School Music and Practice Teaching.....	8 hours
Theory and Harmony.....	8 hours
History of Music.....	8 hours
Applied Music.....	8 hours
Education 21.....	3 hours
Psychology 3.....	3 hours

Supervisors of Drawing

Drawing and Painting.....	20 hours
Public School Drawing.....	2 hours
Modeling	4 hours
Design	2 hours
Water Color.....	2 hours
Psychology 3.....	3 hours
Education 21.....	3 hours

Courses Leading to the Degree of Bachelor of Fine Arts

Special prescribed courses are offered for students who wish to specialize more intensively than is possible in the courses leading to the Bachelor of Arts degree. These courses are planned for those who wish to qualify as public or private teachers of the Fine Arts (Painting, Dramatics, Music) or wish to prepare for technical work. About one-half of the time of the student is devoted to art in these special courses for which the degree Bachelor of Fine Arts (B. F. A.) is offered. The same entrance requirements obtain as in the College of Arts and Sciences generally, except that students of Music must pass the additional entrance examinations in this field. Only students who show special aptitude in art are encouraged to enroll in these courses. The freshman year is regarded probationary, and no students will be registered in the sophomore year who fail to give evidence of sufficient ability to carry the course successfully.

BACHELOR OF FINE ARTS IN DRAMATICS

	FIRST YEAR	First Semester	Second Semester
Elocution and Phonetics 51a, 51b, 52a, 52b.....	3	3	
Dramatics	2	2	
Rhetoric 1, 2.....	2	2	
English Literature 1, 2.....	3	3	
Foreign Language (French or German).....	5	5	
Physical Education (Women) or Military Science (Men)	1	1	
	16	16	
SECOND YEAR			
Elocution	2	2	
Dramatics	2	2	
History of English Literature (Eng. Lit. 5, 6)....	3	3	
Foreign Language (French or German).....	5	5	
Drawing and Painting or Physics 11, 12.....	3	3	
Physical Education (Women) or Military Science (Men)	1	1	
	16	16	
THIRD YEAR			
Dramatics	5	5	
French or German.....	3	3	
English Literature 23, 24, 25, 26, 33, 34, or Play Construction (Eng. Lit. 39, 40.).....	2	2	
History of the Theater (Fine Arts, 61, 62) ¹	2	2	
Electives	4	3	
	16	15	
FOURTH YEAR			
Dramatics	5	5	
French or German Drama.....	3	3	
Aesthetics (Phil. 41, 42).....	2	2	
Electives	5	5	
	15	15	

Requirements for teachers' certificates to be met by electives.

¹A course in literature may be substituted with the consent of the director.

BACHELOR OF FINE ARTS IN DRAWING AND PAINTING

	FIRST YEAR	First	Second
		Semester	Semester
Free-hand Drawing.....		5	4
Rhetoric 1, 2.....		2	2
Foreign Language ¹		5	5
History of Classical Art 33, 34.....		2	2
Perspective (A. M. 30).....			2
Physical Education (Women) or Military Science (Men)		1	1
		—	—
		15	16
SECOND YEAR			
Free-hand Drawing.....		5	5
Perspective (A. M. 31, 32).....		2	2
Foreign Language ¹		5	5
Physical Education (Women) or Military Science (Men)		1	1
Electives		3	3
		—	—
		16	16
THIRD YEAR			
Drawing and Painting.....		5	5
Aesthetics (Philos. 41).....		2	2
Zoology 17, 18.....		3	3
Electives		5	5
		—	—
		15	15
FOURTH YEAR			
Drawing and Painting.....		5	5
History of Italian Art 35, 36.....		3	3
Aesthetics (Philos. 43, 44).....		3	3
Electives		5	5
		—	—
		16	16

Requirements for teachers' certificates to be met by electives.

¹History or Literature may be substituted for Foreign Language on consultation with the director.

BACHELOR OF FINE ARTS IN MUSIC

	FIRST YEAR	First Semester	Second Semester
Instrumental or Vocal.....	5	5	
Harmony and Theory 71-72.....	2	2	
Rhetoric 1, 2.....	2	2	
Foreign Language.....	5	5	
Chorus, Glee Club or Orchestra	1	1	
Ear Training 89 ¹	0	0	
Physical Education (Women) or Military Science (Men)	1	1	
	16	16	
SECOND YEAR			
Instrumental or Vocal.....	5	5	
Harmony and Theory 73-74.....	2	2	
Foreign Language.....	5	5	
Physical Education (Women) or Military Science (Men)	1	1	
Electives	3	3	
	16	16	
THIRD YEAR ²			
Instrumental or Vocal ³	5	5	
Theory and History of Music 75-76.....	2	2	
Foreign Language (French, German, Italian).....	3	3	
Electives	6	5	
	16	15	
FOURTH YEAR			
Instrumental or Vocal ³	5	5	
History of Music 79-80.....	2	2	
Foreign Language (French, German, Italian).....	3	3	
Electives	5	5	
	15	15	

¹Required of students who enter deficient in this subject.²All students who register for the third year of this course must have the approval of the Committee of Music.³One hour of this may go to the Chorus, Glee Club or Orchestra. Requirements for teachers' certificates to be met by electives.

The College of Engineering

OFFICERS OF ADMINISTRATION AND INSTRUCTION

- *SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
- WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.
- OSCAR VAN PELT STOUT, C. E., Dean of the College of Engineering and Professor of Civil Engineering. On leave. Major, Engineers, U. S. R. (*Head of Department of Civil Engineering.*)
- OLIN JEROME FERGUSON, M. E. E., Acting Dean of the College of Engineering and Professor of Electrical Engineering. (*Head of the Department of Electrical Engineering.*)
- FLORENCE IRWIN MCGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*)
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- JOHN EDWIN ALMY, Ph. D., Professor of Experimental Physics.
- ALVA ALDUS BAER, A. B., Assistant Professor of Agricultural Engineering.
- NELS AUGUST BENGTON, A. M., Professor of Geography and Conservation.
- GEORGE BORROWMAN, Ph. D., Associate Professor of Chemistry.
- ELMER EUGENE BRACKETT, B. Sc. in E. E., Associate Professor of Agricultural Engineering. On leave. First Lieutenant, Aviation Section, Signal Reserve Corps.
- WILLIAM CHARLES BRENKE, Ph. D., Professor of Mathematics.
- JUDD NOBLE BRIDGMAN, M. S., Associate Professor of Civil Engineering. (*Acting Head of Department of Civil Engineering.*)
- ALBERT EGGLETON BUNTING, Assistant Professor of Practical Mechanics.
- ALBERT LUTHER CANDY, Ph. D., Professor of Mathematics. (*Head of Department of Mathematics.*)
- LEON WILSON CHASE, M. E., A. E., Professor of Agricultural Engineering. (*Head of Department of Agricultural Engineering.*)
- GEORGE RICHARD CHATBURN, A. M., C. E., Professor of Applied Mechanics and Machine Design. (*Head of Department of Applied Mechanics and Machine Design.*)

*On leave of absence from February 1 to September 1, 1918, in war service.

- GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)
- WILLIAM FRANCIS DANN, A. M., Professor of History and Criticism of the Fine Arts. (*Head of Department of History and Criticism of the Fine Arts.*)
- OSKAR EDWIN EDISON, M. Sc. in E. E., Instructor in Electrical Engineering.
- CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean and Professor of Applied Mathematics.
- PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)
- WILLIAM GRANT, B. Sc. in C. E., Associate Professor of Civil Engineering in charge of Water Supply and Sanitary Engineering.
- VERNON LEO HOLLISTER, E. E., Associate Professor of Electrical Engineering.
- JAMES EDWARD LEROSIGNOL, Ph. D., Professor of Economics and Commerce and Director of the School of Commerce. (*Head of Department of Economics and Commerce.*)
- CLARK EDWIN MICKEY, B. Sc. in M. E., B. Sc. in C. E., Assistant Professor of Applied Mechanics.
- CLARK EDMUND PERSINGER, A. M., Professor of American History.
- JESSE EPHRAIM RASMUSEN, B. Sc. in M. E., Associate Professor of Engineering Drawing.
- ADOLPH STORM RIDDERVOLD, Assistant Professor of Civil Engineering.
- HARRIS LEE ROBERTS, Colonel U. S. Army, Retired, Professor of Military Science and Tactics and Commandant of Cadets. (*Head of Department of Military Science and Tactics.*)
- WILLIAM J. RUNNALLS, Instructing Mechanic in Agricultural Engineering. (*Forge.*)
- LAURENCE FROYD SEATON, B. Sc. in M. E., Professor of Agricultural Engineering. (*Acting Head of Department of Mechanical Engineering.*)
- CLARENCE AUGUST SJOGREN, Instructor in Mechanical Engineering.
- OSCAR WARNER SJOGREN, B. Sc. in A. E., Assistant Professor of Agricultural Engineering.

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics.
(*Head of Department of Physics.*)

PHILIP K. SLAYMAKER, M. E., Professor of Machine Design.

LOUIS BRYANT TUCKERMAN, JR., A. B., Professor of Theoretical Physics.

FRED WILBERT UPSON, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)

GEORGE OLIEN VIRTUE, Ph. D., Professor of Economics and Commerce.

IVAN DALEY WOOD, A. M., Assistant Professor of Agricultural Engineering. On leave. Second Lieutenant, Aviation Section, Signal Reserve Corps.

STANDING COMMITTEES

COURSE OF STUDY—Professors Chatburn, Bridgman, Chase, Engberg, Seaton and the Dean.

SCHEDULE OF CLASSES—Professors Engberg, Hollister, Edison, Rasmusen, Riddervold, Slaymaker, Tuckerman, Brenke, Mickey, Bunting, the Registrar.

ADVANCED STANDING—The Chancellor, the Dean and the Inspector of High Schools.

ORGANIZATION OF THE COLLEGE OF ENGINEERING

By an act of the Legislature of 1909, the Industrial College of the University was abolished and the engineering departments, formerly included in that college, were organized into a College of Engineering. It is the purpose of this college to give a broad, thoro training in mathematics and the physical sciences, with the application of these subjects to the fundamental and special branches of engineering science. While strongly emphasizing those subjects which are of fundamental importance to all branches of engineering, a considerable amount of specialization is permitted in the several groups of study offered by the college. In each department of instruction the work in the class room is made clear and real by extensive work in the laboratories.

EQUIPMENT AND FACILITIES FOR INSTRUCTION

Three buildings on the University Campus and two at the University Farm are devoted primarily to the work in the College of Engineering: the Electrical Engineering Laboratories, erected in 1891; Mechanic Arts Hall, erected in 1898; the Mechanical Engineering Laboratories, erected in 1909; the Agricultural Engineering Building, erected in 1918; and Machinery Hall.

Mechanic Arts Hall is devoted to the work in civil engineering, electrical engineering, applied mechanics and machine design and mathematics. In addition to the lecture rooms, designing and instrument rooms and offices of these departments, the building contains the materials laboratories, the engineering library and several drawing rooms.

The Materials of Construction Testing Laboratories occupy commodious and well lighted rooms in Mechanic Arts Hall. Below is a partial list of the equipment:

The General Laboratory contains a 200,000-lb. Riehle universal testing machine, a 100,000-lb. universal machine, a 50,000-lb. Olsen universal machine, a 50,000-lb. torsion testing machine, an engine lathe, a wood-turning lathe and other tools for preparing specimens; cases of deflectometers, compressometers, extensometers, a dial deformeter for beams up to 8 by 13 inches, and other instruments and apparatus for the efficient operation of these machines.

The Cement Laboratory is supplied with two types of cement testing machines, tables and apparatus for molding and storing briquettes; apparatus for consistency, setting, soundness, specific gravity and fineness tests; cylindrical and cubical concrete molds and facilities for preparing other test specimens of plain and reinforced concrete.

The Road Materials Laboratories. Non-Bituminous. Equipped with standard apparatus for all the regular tests for abrasion, toughness,

cementation and other qualities necessary to a proper classification of rock, brick, soil, sand and other non-bituminous road building materials. **Bituminous.** Equipped and arranged for classifying and testing bituminous road and paving materials; there being penetration machines, ovens, stills and various forms of apparatus for determining specific gravity, viscosity, consistency, flow, tenacity and quantitative analyses for bitumen, fixed carbon and aggregate.

These laboratories are all available to students not only in the ordinary routine of their studies but in prosecuting investigations and researches for theses.

The **Engineering Library** contains a large and valuable collection of engineering and mathematical books, bound periodicals, transactions of engineering societies, with all the more important engineering journals. The completeness of this library makes it well adapted for study and research.

Surveying. For the work in surveying a large assortment of levels, transits, plane tables, rods, chains, etc., is provided.

Drawing Rooms. The freshman drawing room, a large, well lighted and well ventilated room, is situated on the fourth floor of Mechanic Arts Hall. It is supplied with good oak desks and instrument lockers to accommodate six sections of fifty students each. The drawing rooms for machine design and mechanism are on the third floor of the same building, while those for civil engineering classes are on the second and first floors. Other rooms for agricultural, mechanical and electrical engineering students are in the buildings devoted to these subjects.

The **Electrical Engineering Laboratories**, consisting of the main power laboratory, the photometry laboratory, and small research laboratories, furnish facilities for instruction in the practical management of stationary and dynamo-electric machinery and apparatus, as well as the illustration of modern current practice in design. The equipment has been selected largely with a view to emphasizing the application of theoretical principles to practical commercial electrical engineering. Measuring instruments and testing devices are provided covering a wide range of experimental requirements. There follows a list of some of the larger electrical machines on the floor of the power laboratory:

Two 15 kw. Edison bipolar, shunt-wound generators;

One 15 kw. General Electric Company's alternating-current generator specially arranged for single, two, three or six-phase connections;

One 20 h. p. "Lincoln" variable-speed direct-current motor;

One 30 h. p. Crocker-Wheeler Company's three-phase 220-volt induction motor;

One 10 kw. General Electric Company's double-current generator;

One 7½ kw. synchronous converter, and one six-phase synchronous converter;

A number of constant-potential transformers, single phase and poly-phase and one constant-current transformer;

Also several different types and sizes of direct-current motors;

One synchronous motor generator set, consisting of two similar units of 7½ kw., six-phase, 110-volt, 60-cycle, revolving field machines, shaft coupled and provided with mechanical phase adjustment;

One General Electric oscillograph with three moving elements for simultaneously taking photographs of three alternating-current waves;

One 7 kw. compound generator;

One 8 kw. split-pole synchronous converter;

Several transformers with special voltage ratios and numerous taps;

Three induction-type voltage regulators;

One mercury-arc rectifier;

A 65-cell Gould storage battery;

Two 15 h. p. 220-volt direct-current interpole, variable-speed motors;

Additional instruments and meters.

This equipment will afford facilities for valuable advanced research.

The Mechanical Engineering Laboratories building is one of the finest in the university group. It contains the class rooms, offices, and the following important laboratories of the Department of Mechanical Engineering:

The Power Laboratory, for experimental and research work in steam engineering, gas power engineering, refrigeration and hydraulics. Important items of equipment in this laboratory are: one 150 h. p. cross-compound, condensing Corliss engine, with appliances and apparatus for research work; one 20 and one 25 h. p. simple automatic engine; one 5, one 15 and one 40 h. p. simple throttling engine; two 20 h. p. steam turbines of different types; one 65 h. p. cross-compound, 2-stage air compressor with Meyer valve gear; one 50 h. p. Buckeye tandem producer gas engine attached to a specially designed Smith suction gas producer, arranged to burn any kind of fuel; one 18 h. p. Mietz and Weiss oil engines; one 14 h. p. Jacobson automatic gas and gasoline engine; one 8 h. p. Springfield gas and gasoline engine; one 10-ton York refrigerating machine, complete with freezing tank, etc., for the study of refrigeration and the manufacture of ice; one large duplex, direct-acting steam pump; two surface condensing outfits; two 3-stage turbine pumps, each direct-connected to a 50 h. p., variable speed, 3-phase induction motor; a complete equipment of New York and Westinghouse air brakes; one large steel pressure tank with concrete weir tanks, weighing tanks, scales, etc., for experimental work in hydraulics and the testing of hydraulic motors; together with a large assortment of indicators, dynamometers, etc.

The Fuel Testing Laboratory, containing fuel calorimeters of the Mahler, Carpenter and Parr types; gas and oil calorimeters of the Junker and Sargent types; complete apparatus for the analysis of coals, producer gas and flue gas; and machines for the testing of lubricants and friction.

The Wood-Working Laboratory, containing forty speed lathes and thirty-two benches with complete sets of tools for each, one pattern maker's lathe, one combined cross-cut and rip circular saw, one band saw, one jig saw, one planer, and such other small tools and apparatus as are required for a wood working department.

The Foundry Laboratory, containing two cupola furnaces, two brass furnaces, one core oven, one traveling crane and all other necessary apparatus for foundry work.

The Forging Laboratory, containing thirty-five down draft forges, complete with tools, one large direct-connected motor-driven blower and exhaust fan, one steam hammer and one drill press.

The Machine Tool Laboratory, containing fifteen screw cutting lathes, two speed lathes, one large planer, two shapers, two milling machines, one large horizontal boring mill, one large universal grinding machine, one universal cutter grinder, several drill presses, including a large radial drill, together with a variety of other tools, machines, and benches for machine tool and bench work in metals.

The University Heating and Power Plant houses the University power and heating boilers, stokers and electrical generating plant of 400 kw. capacity. While primarily a service plant, the apparatus may be used occasionally by engineering students for testing.

The Agricultural Engineering buildings located on the campus of the University Farm contain class rooms, offices and the following laboratories.

The Carpentry Laboratory containing forty benches for exercise work and ample room for repair and construction work.

The Forging Laboratory containing thirty forges equipped with hand blowers and down draft smoke conduits, benches for repair work, drills, gears and other tools for general work.

The Farm Machinery Laboratory containing several thousand dollars worth of plows, cultivators, seeders, planters, harvesting machines, grinding and shelling machinery, pumps, etc.

The Farm Motor Laboratory containing a 36 h. p. traction boiler and engine, equipped with pyrometers, calorimeters, indicators, steam pumps, injectors and Prony brake, whereby complete tests may be made. The laboratory also contains sectional steam and gas engines for illustrative work, a dozen or so stationary gas engines for testing

and studying, and six traction engines for study and experimental work.

The Rural Architecture rooms are equipped with large, convenient, individual locking drawing tables and benches and floors for concrete and masonry work.

The Automobile Laboratory is a section of the Farm Motor Laboratory and is always equipped with automobiles to be repaired and overhauled. Cases are filled with sectional carburetors, magnetos, engines, gears and starters which are adapted to instructional work.

The New Agricultural Engineering building, which has been under construction for the past year, is nearly completed. It will be extensively equipped for the most advanced instruction and investigation attainable in the country.

In the basement there will be an earth plat twelve feet wide, three feet deep and one hundred fifty feet long. In connection with this it is planned to provide special apparatus for testing tillage and tractor machinery. A large draft wagon apparatus will be used for testing rolling friction as applicable to highways.

In the automobile laboratory will be placed a dynamometer for testing automobiles. The farm motor laboratory will contain a tractor dynamometer for use with traction engines. Besides these items there will be a hydraulic room designed to test farm pumping plants; a feed grinding and shelling room for testing grinding, threshing, shelling and elevating machinery, etc. The equipment for the new building will be well suited to the demands of the regular courses of instruction and will provide opportunity for advanced study and research.

Research Work—The laboratories of this department are especially equipped for research work in pumping systems, traction engine testing, lighting systems and farm machinery.

STUDENT ORGANIZATIONS

The Engineering Society—This society is a federation of the student organizations in the several branches of engineering. Its purpose is to counterbalance the segregating influence of the separate societies, to promote interest in the general field of engineering, and to give organized student support to the College of Engineering. The society issues the Blue Print, a publication containing technical articles by students, alumni and faculty. The programs of the society consist of papers and discussions by students and faculty, and addresses by practicing engineers. The meetings are held monthly. The monthly meetings of the following component organizations fall on dates midway between the meetings of the Engineering Society.

The Student Branches of the American Institution of Electrical Engineers, The American Society of Mechanical Engineers and The American Society of Agricultural Engineers—These societies have been authorized by their respective national societies. The purpose of each is to develop in students an interest and facility in the particular branch of engineering concerned, and to open a clear avenue of approach to membership in the parent society for those who within a reasonable period of years qualify for such membership.

The Architectural Engineering Society and The Civil Engineering Society—These have been organized to afford to students of architectural and civil engineering, respectively, the benefit of discussion within their own lines, and to enable them to participate in the affairs of the general engineering society.

Literary and Social. The Palladian, the Union and the Delian are open University literary societies meeting weekly on Friday evenings in their rooms in the Temple. Membership in a number of other literary and social clubs is open to students in the College of Engineering.

Religious. The Young Men's Christian Association, a non-sectarian and voluntary organization of Christian men, members of the University, organizes and conducts Bible study among the students, holds public meetings, helps students to find suitable rooming and boarding places, gives free aid to students in search of employment, and publishes an annual Students' Handbook containing information especially valuable to new students. Inquiries should be addressed to the Secretary of the Young Men's Christian Association, Station A, Lincoln, Nebraska.

ADMISSION TO THE COLLEGE OF ENGINEERING

Credentials which are accepted toward admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College of the University which the applicant may

wish to enter, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given below under "Admission by Certificate," and in the subjects for the amount indicated below under "Entrance Subjects."

An *entrance point* is given for the work of a class holding five recitations a week of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours¹ elective credit and only in chemistry, Greek, mechanical drawing, trigonometry, third and fourth year German, French, and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of at-

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

tendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants for admission to the University, except those mentioned above, are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point* is essential:

Required Subjects		Points
English		4
History (European) (a)		2
Language (foreign) (b)		4
Mathematics (algebra and geometry) (c)		6
Science (laboratory)		2
Elective Subjects		
Other subjects taught in an approved manner in an accredited secondary school		12
Total		30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language—

Additional points of English, history or laboratory science may be offered in place of the foreign language requirement.

(c) Mathematics—

Three points of algebra and three points of geometry are required.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week, and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in

the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration week each student¹ is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A like fee of 50 cents is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Adviser, approved by the Dean of the College. A first or second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester, unless required by the prescribed program; a third or a fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must

¹Freshmen schedules are arranged for the year. Their registration for the second semester is, in general, merely a formality consisting in the payment of the necessary fees.

register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete."

Advisers. Since the first year's work in the Engineering College is practically the same for all groups, any member of the Engineering faculty may act as Adviser to freshmen. For the second and subsequent years a regular student's Adviser is the head of the department most closely related to the group in which he is registered or some person delegated by that head to act for him. No schedule of subjects is valid for registration without the signature of the student's Adviser. The Dean of the College acts as Adviser for adult special students and as head Adviser for all students within the College.

REQUIREMENTS FOR GRADUATION

Hours of Credit. In all of the four-year groups in the College of Engineering, 125 hours¹ are required for graduation. No student is recommended for graduation who is not within eighteen hours of this requirement at the beginning of his last semester.

Grades. Not more than 25 hours of the student's work below a grade of 70 per cent is credited on requirements for graduation.

Thesis. The election of thesis work is allowed only to men well prepared to benefit therefrom. In order to be approved, the subject chosen for investigation must demand scientific treatment. It is advised that the work be laid out to extend thru two semesters. Registration in the second semester must be preceded by approval of subjects as early as November 15 preceding. A maximum total credit of five hours may be received.

Required Subjects. The subjects required for graduation from any one of the four-year engineering groups are given under the appropriate group heading on pages 24 to 35. Four hours of military science (courses 1, 2, 3, 4), are required of all men students. Only credibly attested physical disability, or membership in a religious organization whose creed prohibits participation in warfare in any form (on the part of parent in case of a minor), are accepted as excusing from the requirements in military science. Unless excused or reprieved by the Commandant, each undergraduate man must fulfill this requirement in his freshman and sophomore years. A reprieve

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

does not abridge or otherwise modify a man's requirement in military science save to defer the period for discharging it. A man excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degrees sought. Those excused for conscientious scruples are required to do work in physical education equivalent in amount. Thoro drill elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

Inspection Trips—Trips of inspection to points of engineering interest are made each year under faculty supervision. Participation in one of these trips and a written report upon the same are required for graduation. The trip should not be taken earlier than the student's third year in the College.

Special Examinations. The board of regents has made the following ruling: (1) No student has a right to demand a private examination. Such examinations are granted simply as favors, at the option of instructors. (2) No member of a class or section may, for any reason or under any pretext whatever, be privately examined at an earlier time than that set for his class or section. Any individual examination permitted must be held later. (3) To be examined at a time later than that set for his class or section, whatever the reason, a student must pay a special examination fee of \$1 a course. The student desiring an individual examination in any course first obtains his instructor's consent thereto, and then pays the Secretary the proper fee, taking a receipt. This receipt, being shown the instructor, authorizes him to proceed with the examination.

Student Rules and Regulations. Students in the College of Engineering are under the same University regulations as are the students of the other colleges of the university in regard to absence, delinquency, dismissal, student activities and rooming. The most important of these rules are summarized in the first section of the annual general catalog of the University; a pamphlet containing the entire set of rules may be obtained from the Registrar.

FEEES AND EXPENSES

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration; refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory. The following fees are required of students in the College of Engineering: Matriculation (payable on entering each college).....\$5.00

Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one College to another.

Incidental, each semester.....	3.00
Library (if no laboratory fees are paid).....	1.00
Diploma fee (undergraduate).....	5.00
Diploma fee, in absentia (undergraduate).....	15.00
Late registration (after registration days).....	3.00
Re-registration (including change in registration).....	0.50
Special examination	1.00

LABORATORY FEES

- Agricultural Engineering—Courses 5,6, 7, 14, 24, 31, 32, 33, 34, \$1; 1, 2, \$4; 3, 4, 8, 9, 10, 12, 17, 18, 22, \$3; 15, \$5.
 Applied Mechanics—Courses 15, \$5; 18, \$4; 16, 17, 20, \$3; 25, 26, \$5.
 Chemistry—Courses 1, 2, \$5; 3, 4, 67, 69, \$4.
 Civil Engineering—Courses 2, \$1; 5a, 6a, 8, \$3.
 Electrical Engineering—Courses 8, 8a, 9, 10, \$5; 1, 9a, 10a, \$2.
 Mechanical Engineering—Course 18, \$2; 3a, 4, 15, \$5; 1, 2, 3, 5, 16, 17, \$6.
 Physics—Courses 1, 2, 3, 4, 6, \$4.

These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned, to pay the amount of such waste or damage at the Secretary's office, and to present his receipt therefor to the department before his semestral credit is reported to the Registrar.

Expenses. The average cost of a year's attendance at the University (not including fees of any kind) is between \$300 and \$400. Many students reduce this amount. Board and lodging may be had among families of the city. In September the Young Men's Christian Association and Young Women's Christian Association of the University make a canvass of the city and keep on file lists of rooms and boarding places.

The Young Men's Christian Association maintains an employment bureau, the services of which are free to all students. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the University do not, however, undertake to find employment for students. A student is advised not to enter the University unless he can count upon resources for one semester—at least \$150.

STUDENT LOAN FUND

Hon. John R. Webster, of Omaha, Dr. John Alexander Low Waddell, of Kansas City, and Hon. William Gunn Whitmore, of Valley, have given the sum of \$1,000 each to be used as a permanent loan fund for students needing assistance. Mr. Webster's donation applies to all students in the University, while the donations of Dr. Waddell and Mr. Whitmore are limited to students in the Engineering College. Mrs. Ida C. Carter, of New York, has given a fund of \$500, to be known as the A. E. Carter Loan Fund, in honor of her husband, who was a graduate of the College of Engineering. This fund is available for students of that College only. The interest received from the loaning of this money goes to increase the fund. Application blanks and the full rules for administration may be obtained at the office of the Secretary. Loans will be made only to students in need of assistance, who have been matriculated for at least one full year. Upper classmen will be given preference in the making of loans. The moral character of the applicant, his habits of temperance and industry, and his assiduity and success in his studies will also be determining factors. The amount loaned to one student will, except in extraordinary cases, be limited to \$100 per semester. The note given by the borrower will bear six per cent interest, payable annually; the loan is to be wholly repaid two years after the student graduates or withdraws from the University.

GROUPS OF STUDIES AND DEGREES

The College of Engineering offers four-year groups of study in Architectural, Agricultural, Civil, Electrical and Mechanical Engineering, leading to the degree of Bachelor of Science in Architectural, Agricultural, Civil, Electrical or Mechanical Engineering respectively, and a six-year combined Academic and Engineering group leading to the degree of Bachelor of Arts at the end of the fourth or fifth year and that of Bachelor of Science in one of the engineering groups at the end of the sixth year. In all of the four-year groups 125 "credit hours" are required for graduation.

Architectural Engineering. The Architectural Engineering Group is designed to train men to undertake the engineering design of buildings,

including particularly the foundations and the frame work, columns and floors. Men trained in this line will find their occupation chiefly in connection with large and important buildings. In Architectural Engineering, as distinguished from Architecture, relatively little attention is paid to the aesthetic side of design.

Agricultural Engineering. The courses in Agricultural Engineering are designed to qualify men to become teachers of the subject, managers of large farms, ranches, plantations, estates., etc., to do the general engineering work of rural communities, or to enter the wider field of commercial and professional engineering. Farm machinery, farm motors, rural architecture, drainage, sewage disposal, water systems, etc., are treated in a comprehensive manner.

Civil Engineering. The courses in Civil Engineering deal with the subjects of railroad engineering, hydraulic engineering, irrigation, water supply, sewerage, structural design, masonry construction, etc.

Mining Engineering. Students expecting to become Mining Engineers will be advised as to substitution and electives which will facilitate entrance with advanced standing to a school of mines. **Municipal Engineering.** Students desiring to prepare definitely for the engineering of cities and towns will also be advised as to substitutions and electives.

Electrical Engineering. The courses in Electrical Engineering give attention to the theory and design of electrical apparatus and machinery, the electrical transmission of energy and of intelligence, and the industrial application of electricity to lighting, transportation, power and chemical processes.

Mechanical Engineering. The courses in mechanical engineering deal with problems relating to combustion and the analysis of fuels, the generation and transmission of power, and the design, construction, operation and testing of machinery of all kinds.

Six-Year Combined Academic-Engineering Course. It has been found that all the requirements of both the academic and the engineering courses may be met in six years, the degree of Bachelor of Arts being taken at the end of the fourth or fifth year and that of Bachelor of Science in one of the Engineering groups at the end of the sixth.

GRADUATE WORK IN ENGINEERING

Graduate work in engineering may be taken by any student who has had preparation in mathematics and science equivalent to that required of undergraduates in engineering, but candidates for the advanced degrees in engineering must, in addition, possess technical preparation equivalent to that required in the undergraduate courses. Graduate work consists of special laboratory investigations, of advanced en-

gineering design or of the collection and reduction of existing data relating to some specific engineering topic. So far as possible such work is arranged to suit the needs of the individual student.

For one full year of resident graduate work with an acceptable thesis covering some phase of the work undertaken, there will be granted the degree of Master of Science in Agricultural, Architectural, Civil, Electrical or Mechanical Engineering, depending upon the particular line of work pursued.

For three full years of resident graduate work in Engineering there will be granted upon the presentation and publication of a suitable thesis the degree of Doctor of Philosophy.

The degrees of Agricultural Engineer, Architectural Engineer, Civil Engineer, Electrical Engineer, or Mechanical Engineer may be conferred upon graduates of the University of Nebraska of not less than five years' standing, who have previously received the degree of B. Sc. in Engineering and who have been in responsible charge of work and done meritorious service in the practice of their professions. At the time of registering for such degree the candidate will present a detailed statement of his preparation work and experience together with an acceptable topic for a thesis. Not less than one year thereafter, during which time he shall have studied and worked under the general supervision of the head of the department in which he expects to take his degree, he shall submit his thesis and present himself for examination in the work done under the supervision mentioned above. If the thesis and examination prove satisfactory, he will be recommended for the degree. In no case will a professional degree be conferred in absentia.

The rules of the Graduate College apply to all graduate work and students taking the same must matriculate in that College.

ORDER OF COURSES IN FOUR-YEAR ENGINEERING GROUPS

To avoid conflict in the time schedules of students and to secure the proper sequence in studies, it is necessary that the engineering courses be taken in the following prescribed order. *In no case should this order be departed from without consultation with the head of the engineering department chiefly concerned.* (See also "Adult Special Students.")

FIRST YEAR OF ALL FOUR-YEAR ENGINEERING GROUPS

FIRST SEMESTER	Credit Hours
Mathematics 1 (Algebra and Plane Trigonometry).....	5
Physics 1 (Mechanics of Solids and Fluids).....	3
Rhetoric and English Composition 1.....	2
Applied Mechanics 1 (Mechanical Drawing).....	3
Mechanical Engineering 1 (Elementary Wood Work).....	3
Military Science 1.....	1
	—
	17

SECOND SEMESTER

Mathematics 2 (Analytical Geometry and Calculus).....	5
Physics 2 (Heat and Sound).....	3
Rhetoric and English Composition 2.....	2
Applied Mechanics 2 (Descriptive Geometry).....	3
Mechanical Engineering 2 (Pattern-making and Foundry Work).....	3
Military Science 2.....	1
	—
	17

AGRICULTURAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

Mathematics 3 (Analytical Geometry and Calculus).....	5
Chemistry	2
Physics 3 (Electricity).....	2
Applied Mechanics 3 (Mechanism).....	3
Agricultural Engineering 3 (Farm Machinery).....	2
Animal Husbandry 13 (Live Stock Management).....	2
Military Science 3.....	1
	—
	17

¹In the Agricultural Engineering group, Agricultural Engineering 1 is taken in place of Mechanical Engineering 1, and Agricultural Engineering 2 in place of Mechanical Engineering 2, making the total registration 16 hours each semester.

SECOND YEAR—SECOND SEMESTER

	Credit Hours
Mathematics 4 (Calculus).....	5
Chemistry	2
Agricultural Engineering 4 (Elementary Farm Motors).....	2
Applied Mechanics 14 (Theoretical and Applied).....	3
Civil Engineering 5 (Surveying).....	2
Civil Engineering 5a (Surveying Field Work).....	2
Military Science 4.....	1
	—
	17

THIRD YEAR—FIRST SEMESTER

Agricultural Engineering 11 (Rural Domestic Engineering).....	3
Geology 25 (Engineering Geology).....	2
Dairy Husbandry (Milk Production).....	3
Mechanical Engineering 10 (Steam Engineering).....	4
Agricultural Engineering 9 (Advanced Farm Machinery).....	2
Electrical Engineering 3 (Electric Power).....	2
Seminar	0
	—
	16

THIRD YEAR—SECOND SEMESTER

Agricultural Engineering 12 (Rural Domestic Engineering Lab).....	2
Agricultural Engineering 10 (Advanced Farm Motors).....	2
Mechanical Engineering 16 (Laboratory).....	3
Civil Engineering 11 (Hydraulics).....	2
Electrical Engineering 8a (Laboratory).....	2
Agronomy 51 (Soils).....	4
Seminar	0
	—
	15

FOURTH YEAR—FIRST SEMESTER

Agricultural Engineering 5 (Rural Architecture).....	3
Farm Management 3 (Farm Organization).....	3
Applied Mechanics 16 (Mechanics of Materials).....	3
Civil Engineering 21 (Roads, Streets and Pavements).....	2
Seminar	1
¹ Electives	2
	—
	14

¹Preferred electives: Horticulture 20, Applied Mechanics 25, Public Speaking, History, Economics, English Composition.

	Credit Hours
FOURTH YEAR—SECOND SEMESTER	
Agricultural Engineering 6 (C. E. 12) (Irrigation and Drainage Engineering)	4
Civil Engineering 18 (Elementary Structural Design)	2
Thesis, approved electives	5
Seminar	1
Electives	2
	<hr/> 14

ARCHITECTURAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

Mathematics 3 (Analytical Geometry and Calculus)	5
Physics 3 (Electricity)	2
Civil Engineering 5 (Surveying)	2
Civil Engineering 5a (Field Work)	2
Chemistry 3 (General Inorganic)	3
Applied Mechanics 23 (Applied Descriptive Geometry)	2
Military Science 3	1
	<hr/> 17

SECOND YEAR—SECOND SEMESTER

Mathematics 4 (Calculus)	5
Chemistry 4 (General Inorganic)	3
Physics 4 (Electricity and Light)	2
Applied Mechanics 14 (Theoretical and Applied)	3
Fine Arts 1 (Elementary Drawing)	2
Military Science 4	1
	<hr/> 16

THIRD YEAR—FIRST SEMESTER

Fine Arts 39 (Cathedral Architecture)	2
Applied Mechanics 15 (Mechanics of Materials)	5
Applied Mechanics 27 (Specifications and Working Drawings)	4
Electrical Engineering 3 (Electric Power)	2
Civil Engineering 11 (Hydraulics)	2
	<hr/> 15

	Credit Hours
THIRD YEAR—SECOND SEMESTER	
Fine Arts 40 (Modern Architecture).....	2
Electrical Engineering 8a (Laboratory).....	2
Applied Mechanics 28 (Specifications and Working Drawings).....	4
Civil Engineering 16 (Stresses in Framed Structures).....	4
Mechanical Engineering 10 (Steam Engineering).....	4
	16

FOURTH YEAR—FIRST SEMESTER	
Applied Mechanics 17 (Cement and Concrete Testing).....	2
Mechanical Engineering 19 (Heating and Ventilation of Buildings)....	2
Mechanical Engineering 11 (Steam Boilers).....	2
Civil Engineering 15 (Design of Framed Structures).....	3
Civil Engineering 17 (Reinforced Concrete Design).....	2
Electrical Engineering 17 (Electric Lighting).....	2
	13

FOURTH YEAR—SECOND SEMESTER	
Economics 1 (Principles of Economics).....	3
Applied Mechanics 18 (Materials of Construction).....	2
Civil Engineering 22 (Masonry Construction).....	4
Mechanical Engineering 14 (Building Sanitation).....	2
Mechanical Engineering 16 (Power Laboratory).....	3
	14

CIVIL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER	
Mathematics 3 (Analytical Geometry and Calculus).....	5
Chemistry 3 (General Inorganic).....	3
Applied Mechanics 3 (Mechanism).....	3
Civil Engineering 5 (Surveying).....	2
Civil Engineering 5a (Surveying Field Work).....	2
Military Science 3.....	1
	16

SECOND YEAR—SECOND SEMESTER	
Mathematics 4 (Calculus).....	5
Chemistry 4 (General Inorganic).....	3
Applied Mechanics 14 (Theoretical and Applied).....	3
Civil Engineering 6 (Surveying).....	2
Civil Engineering 6a (Surveying Field Work).....	2
Military Science 4.....	1
	16

THIRD YEAR—FIRST SEMESTER

	Credit Hours
Physics 3 (Electricity).....	2
Applied Mechanics 15 (Mechanics of Materials).....	5
Applied Mechanics 17 (Cement and Concrete Testing).....	2
Civil Engineering 11 (Hydraulics).....	2
Electives	3
	—
	14

THIRD YEAR—SECOND SEMESTER

Physics 4 (Electricity and Light).....	2
Civil Engineering 22 (Masonry Construction).....	4
Civil Engineering 16 (Framed Structures).....	4
Applied Mechanics 18 (Materials of Construction).....	2
Mechanical Engineering 10 (Steam Engineering).....	4
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	16

FOURTH YEAR—FIRST SEMESTER

Civil Engineering 15 (Design of Framed Structures).....	3
¹ Mechanical Engineering 16 (Power Laboratory) or electives.....	3
Civil Engineering 25 (Engineering Economics).....	2
Romance Language 31 (Spanish) or approved electives.....	5
Electrical Engineering 3 (Electric Power).....	2
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	15

FOURTH YEAR—SECOND SEMESTER

Civil Engineering 20 (Advanced Theory of Structures) or.....	3
Civil Engineering 24 (Hydraulic Engineering) or.....	(3)
Civil Engineering 10 (Railway Location).....	(3)
Civil Engineering 26 (Engineering Economics).....	2
Romance Language 32 (Spanish) or approved electives.....	5
¹ Mechanical Engineering 18 (Experimental Hydraulics) or electives..	2
Electrical Engineering 8a (Laboratory).....	2
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	14

¹Mechanical Engineering 16 and 18 in the Civil Engineering group are alternatives, one of which must be taken. The other may be replaced by electives.

ELECTRICAL ENGINEERING GROUP

	Credit Hours
SECOND YEAR—FIRST SEMESTER	
Mathematics 3 (Analytical Geometry and Calculus).....	5
Physics 3 (Electricity).....	2
Chemistry 3 (General Inorganic).....	3
Applied Mechanics 3 (Mechanism).....	3
Mechanical Engineering 3a (Forge Work) or 4 (Machine Work).....	2
Military Science 3.....	1

16

SECOND YEAR—SECOND SEMESTER	
Mathematics 4 (Calculus).....	5
Physics 4 (Electricity and Light).....	2
Chemistry 4 (General Inorganic).....	3
Applied Mechanics 14 (Theoretical and Applied).....	3
Physics 5 (Problems in Electricity).....	2
Electrical Engineering Lecture.....	1
Military Science 4.....	1

17

THIRD YEAR—FIRST SEMESTER	
Applied Mechanics 5 (Machine Design).....	3
Electrical Engineering 1 (Dynamamos).....	5
Physics 6 (Electrical Measurements).....	3
Civil Engineering 5 (Surveying).....	2
Civil Engineering 5a (Surveying Field Work).....	2

15

THIRD YEAR—SECOND SEMESTER	
Applied Mechanics 16 (Mechanics of Materials).....	3
Electrical Engineering 2 (Dynamamos).....	3
Electrical Engineering 8 (Electrical Laboratory).....	2
Mechanical Engineering 16 (Power Laboratory).....	3
Mechanical Engineering 10 (Steam Engineering).....	4

15

	Credit Hours
FOURTH YEAR—FIRST SEMESTER	
Electrical Engineering 9 (Laboratory).....	2
Electrical Engineering 5 (Alternating Currents).....	5
Electrical Engineering 15 (Technical Reports).....	1
Civil Engineering 11 (Hydraulics) or electives.....	2
¹ Electives	4
	14

FOURTH YEAR—SECOND SEMESTER	
Electrical Engineering 6 (Alternating Currents).....	3
Electrical Engineering 10 (Laboratory).....	2
¹ Electives	9
	14

MECHANICAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER	
Mathematics 3 (Analytical Geometry and Calculus).....	5
Physics 3 (Electricity).....	2
Chemistry 3 (General Inorganic).....	3
Applied Mechanics 3 (Mechanism).....	3
Mechanical Engineering 3 (Forge Work).....	3
Military Science 3.....	1
	17

SECOND YEAR—SECOND SEMESTER	
Mathematics 4 (Calculus).....	5
Chemistry 4 (General Inorganic).....	3
Applied Mechanics 14 (Theoretical and Applied).....	3
Mechanical Engineering 4 (Machine Tool Work).....	2
Mechanical Engineering 15 (Fuel Testing Laboratory).....	2
Military Science 4.....	1
	16

THIRD YEAR—FIRST SEMESTER	
Applied Mechanics 5 (Machine Design).....	3
Applied Mechanics 16 (Mechanics of Materials).....	3
Electrical Engineering 3 (Electric Power).....	2
Mechanical Engineering 5 (Machine Construction).....	3
Mechanical Engineering 10 (Steam Engineering).....	4
	15

¹Of the electives, at least 8 hours must be taken from those offered by the Electrical Engineering department.

	Credit Hours
THIRD YEAR—SECOND SEMESTER	
Applied Mechanics 6 (Machine Design).....	3
Electrical Engineering 4 (Electric Power).....	2
Civil Engineering 11 (Hydraulics).....	2
Civil Engineering 18 (Elementary Structural Design).....	2
Mechanical Engineering 8 (Economics of Shop Production).....	2
Mechanical Engineering 16 (Power Laboratory).....	3
	<hr/> 14

FOURTH YEAR—FIRST SEMESTER	
Mechanical Engineering 11 (Steam Boilers).....	2
Mechanical Engineering 13 (Thermodynamic Applications).....	3
Mechanical Engineering 17 (Power Laboratory).....	3
Mechanical Engineering 19 (Heating and Ventilation) or approved elective	2
Mechanical Engineering 31 (Hydraulic Motors and Pumping Ma- chinery)	3
Electives	2
	<hr/> 15

FOURTH YEAR—SECOND SEMESTER	
Civil Engineering 2 (Surveying).....	2
Electrical Engineering 8a (Laboratory).....	2
Mechanical Engineering 20 (Power Plant Design).....	2
Mechanical Engineering 22 (Gas Power Engineering) or approved elective	2
Mechanical Engineering 24 (Power Transmission).....	2
Thesis, electives	4
	<hr/> 14

ORDER OF COURSES IN SIX-YEAR COMBINED ACADEMIC- ENGINEERING GROUPS

	Semester Hours	
	1st	2nd
FIRST YEAR		
Mathematics 1, 2 (Algebra and Plane Trigonometry, Analytical Geometry and Calculus).....	5	5
The Classics or Modern Language.....	5	5
Rhetoric and English Composition 1, 2.....	2	2
Applied Mechanics 1, 2 (Mechanical Drawing, Descriptive Ge- ometry)	3	3
Applied Mechanics 29, 23 (Free-Hand Drawing, Applied Des- criptive Geometry)	1	1
Military Science 1, 2.....	1	1
	<hr/> 17	<hr/> 17

SECOND YEAR

	Semester	
	Hours	
	1st	2nd
Mathematics 3, 4 (Analytical Geometry, Calculus).....	5	5
Modern Language or English.....	5	5
Physics 1, 2 (Mechanics, Heat and Sound).....	3	3
'Mechanical Engineering 1, 2 (Wood, Pattern and Foundry Work).....	2-3	2-3
Military Science 3, 4.....	1	1
	—	—
	16-17	16-17

THIRD YEAR

Applied Mechanics 3, 14 (Mechanism, Analytical Mechanics)....	3	3
History	3	3
Biology	3	3
Chemistry 3, 4 (General Inorganic).....	3	3
Physics 3, 4 (Electricity, Magnetism and Light).....	2	2
Electives	2	2
	—	—
	16	16

FOURTH YEAR

AGRICULTURAL ENGINEERING

First Semester—Agronomy 1, 3 hrs.; Ag. Eng. 3, 2 hrs.; Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 16, 3 hrs.; Civil Eng. 5, 5a, 4 hrs.....	15
Second Semester—Eng. Lit. 2 or Rhet. 6, 3 hrs.; Ag. Eng. 4, 2 hrs.; Mech. Eng. 10, 4 hrs.; Dairy Hus. 3, 3 hrs.; elective, 3 hrs.....	15

ARCHITECTURAL ENGINEERING

First Semester—Civil Eng. 5, 5a, 4 hrs.; Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 15, 5 hrs.; Fine Arts 1, 2 hrs.; elective, 1 hr.	15
Second Semester—Civil Eng. 11, 2 hrs.; Econ. 1, 3 hrs.; Eng. Lit. 2 or Rhet. 6, 3 hrs. App. Mech. 17, 18, 4 hrs.; elective, 3 hrs.....	15

CIVIL ENGINEERING

First Semester—Civil Eng. 5, 5a, 4 hrs.; Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 15, 5 hrs.; elective, 3 hrs.....	15
Second Semester—Civil Eng. 6, 6a, 4 hrs.; Eng. Lit. 2 or Rhet. 6, 3 hrs.; App. Mech. 18, 2 hrs.; Mech. Eng. 4, 10, 6 hrs.....	15

¹In the Agricultural Engineering Group, Agricultural Engineering 1 and 2 are substituted for Mechanical Engineering 1 and 2.

¹ELECTRICAL ENGINEERING

First Semester—Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 5, 16, 6 hrs.; Mech. Eng. 3a, 2 hrs.; Civil Eng. 11, 2 hrs.; elective, 2 hrs. 15

Second Semester—Eng. Lit. 2 or Rhet. 6, 3 hrs.; Mech. Eng. 4, 10, 6 hrs.; Physics 5, 2 hrs.; Elec. Eng. Lecture, 1 hr.; elective, 3 hrs. 15

MECHANICAL ENGINEERING

First Semester—Eng. Lit. 1 or Rhet. 5, 3 hrs.; App. Mech. 5, 16, 6 hrs.; Mech. Eng. 3, 3 hrs.; elective, 3 hrs. 15

Second Semester—Eng. Lit. 2 or Rhet. 6, 3 hrs.; App. Mech. 6, 3 hrs.; Mech. Eng. 4, 10, 6 hrs.; elective, 3 hrs. 15

FIFTH YEAR**AGRICULTURAL ENGINEERING**

First Semester—Ag. Eng. 5, 9, 5 hrs.; Agronomy 51, 4 hrs.; Civil Eng. 11, 2 hrs.; App. Mech. 17, 2 hrs.; Elect. Eng. 3, 2 hrs. 15

Second Semester—Ag. Eng. 10, 6, 6 hrs.; Mech. Eng. 16, 3 hrs.; Elect. Eng. 4, 8, 4 hrs.; Horticulture 20, 2 hrs. 15

ARCHITECTURAL ENGINEERING

First Semester—App. Mech. 23, 27, 6 hrs.; Elect. Eng. 3, 2 hrs.; Mech. Eng. 10, 4 hrs.; Fine Arts 39, 2 hrs.; elective, 1 hr. 15

Second Semester—App. Mech. 28, 4 hrs.; Elect. Eng. 8a, 2 hrs.; Civil Eng. 16, 4 hrs.; Fine Arts 40, 2 hrs.; elective, 3 hrs. 15

CIVIL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 3, 2 hrs.; App. Mech. 17, 2 hrs.; Civil Eng. 11, 17, 4 hrs.; Mech. Eng. 3, 3 hrs.; elective, 1 hr. 15

Second Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 8a, 2 hrs.; Civil Eng. 16, 22, 8 hrs.; Mech. Eng. 18, 2 hrs. 15

ELECTRICAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 1, 5 hrs.; Physics 6, 3 hrs.; Civil Eng. 5, 5a, 4 hrs. 15

Second Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 2, 8, 5 hrs.; Civil Eng. 18, 2 hrs.; Mech. Eng. 16, 3 hrs.; elective, 2 hrs. 15

¹Of the electives in the Electrical Engineering group, at least eight hours must be taken from the courses offered by the Electrical Engineering department.

MECHANICAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 3, 2 hrs.; Civil Eng. 11, 2 hrs.; Mech. Eng. 5, 11, 7 hrs.; elective, 1 hr.	15
Second Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 4, 8a, 4 hrs.; Mech. Eng. 16, 22, 24, 7 hrs.; elective, 1 hr.	15

SIXTH YEAR

AGRICULTURAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Ag. Eng. 11, 3 hrs.; Farm Management 3, 3 hrs.; Mech. Eng. 31, 3 hrs; approved elective, 3 hrs.	15
Second Semester—Philosophy or Economics, 3 hrs.; Ag. Eng. 12, 22, 4 hrs.; Civil Eng. 12, 18, 5 hrs.; Thesis or elective, 3 hrs.	15

ARCHITECTURAL ENGINEERING

First Semester—Mech. Eng. 19, 11, 4 hrs.; Civil Eng. 15, 17, 5 hrs.; Elect. Eng. 17, 2 hrs.; elective, 3 hrs.	14
Second Semester—Civil Eng. 22, 4 hrs.; Mech. Eng. 14, 16, 5 hrs.; Thesis or elective, 5 hrs.	14

CIVIL ENGINEERING

First Semester—Civil Eng. 15, 25, 5 hrs.; Mech. Eng. 16, 3 hrs.; Rom. Lang. 31, or elective, 5 hrs.; elective, 1 hr.	14
Second Semester—Civil Eng. 10, or Civil Eng. 20, or Civil Eng. 24, 3 hrs.; Civil Eng. 26, 2 hrs.; Rom. Lang. 32, or elective, 5 hrs.; Thesis or elective, 4 hrs.	14

ELECTRICAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Elec. Eng. 5, 9, 15, 8 hrs.; elective, 3 hrs.	14
Second Semester—Philosophy or Economics, 3 hrs.; Elect. Eng. 6, 10, 5 hrs.; elective, 6 hrs.	14

MECHANICAL ENGINEERING

First Semester—Philosophy or Economics, 3 hrs.; Mech. Eng. 13, 17, 19, 31, 11 hrs.	14
Second Semester—Philosophy or Economics, 3 hrs.; Mech. Eng. 8, 20, 4 hrs.; Civil Eng. 18, 2 hrs.; Thesis or elective, 4 hrs.; elective, 1 hr.	14

Total number of hours required for each six-year group 188

The Graduate College

OFFICERS OF ADMINISTRATION AND INSTRUCTION

-
- ¹SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
 WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.
 LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College and Professor of English Language and Literature. (*Head of Department of English Language and Literature.*)
 FLORENCE IRWIN McGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*)
-

- HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy.
 JOHN EDWIN ALMY, Ph. D., Professor of Experimental Physics.
 LEON EMMONS AYLSWORTH, A. M., Professor of Political Science and Sociology.
 GROVE ETTINGER BARBER, A. M., Professor of Roman History and Literature. (*Head of Department of Roman History and Literature.*)
 ERWIN HINCKLEY BARBOUR, Ph. D., Professor of Geology. (*Head of Department of Geology.*)
 FRANKLIN DAVIS BARKER, Ph. D., Professor of Medical Zoology and Parasitology.
 GEORGE BORROWMAN, Ph. D., Associate Professor of Chemistry.
 WILLIAM CHARLES BRENKE, M. S., Ph. D., Professor of Mathematics.
 JUDD NOBLE BRIDGMAN, M. S., Associate Professor of Civil Engineering. (*Acting Head of Department of Civil Engineering.*)
 LAWRENCE BRUNER, B. Sc., Professor of Entomology and Entomologist of the Experiment Station. (*Head of Department of Entomology.*)
 PHILO MELVIN BUCK, JR., A. M., Professor of Rhetoric. On leave. Captain in the Adjutant General's Department, 34th Division.
 WILLIAM WESLEY BURR, B. Sc., Professor of Agronomy. (*Head of Department of Agronomy.*)
 HOWARD WALTER CALDWELL, A. M., Professor of American History. (*Head of Department of American History.*)
 ALBERT LUTHER CANDY, Ph. D., Professor of Mathematics. (*Head of Department of Mathematics.*)
-

¹Absent on leave from February 1 to September 1, 1918 in war service.

- LEON WILSON CHASE, A. E., Professor of Agricultural Engineering. On leave. Major of Ordnance. (*Head of Department of Agricultural Engineering.*)
- GEORGE RICHARD CHATBURN, A. M., C. E., Professor of Applied Mechanics and Machine Design. (*Head of Department of Applied Mechanics and Machine Design.*)
- GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)
- CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)
- ¹BENTON DALES, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)
- WILLIAM FRANCIS DANN, A. M., Professor of History and Criticism of the Fine Arts. (*Head of Department of History and Criticism of the Fine Arts.*)
- ²ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences and Professor of Mathematics. (*Head of Department of Mathematics.*)
- CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean and Professor of Applied Mathematics.
- MINNIE THROOP ENGLAND, Ph. D., Assistant Professor of Economics and Commerce.
- OLIN JEROME FERGUSON, M. E. E., Acting Dean of the College of Engineering and Professor of Electrical Engineering. (*Head of Department of Electrical Engineering.*)
- HORACE CLYDE FILLEY, A. M., Professor of Farm Management. (*Head of Department of Farm Management.*)
- FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)
- MILLER MOORE FOGG, A. M., Professor of Rhetoric, in charge of Debate and Newspaper Writing.
- CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)
- LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)
- MARY LOUISE FOSSLER, A. M., Assistant Professor of Chemistry.

¹Resigned.

²Deceased.

- JULIUS HERMAN FRANDSEN, M. S. A., Professor of Dairy Husbandry. (*Head of Department of Dairy Husbandry.*)
- PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)
- SHERLOCK BRONSON GASS, Ph. B., Professor of Rhetoric.
- PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts and Professor of Modern German Literature.
- AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology. (*Head of Department of Physiology.*) (In Omaha.)
- WILLIAM GRANGER HASTINGS, A. B., Dean of the College of Law and Professor of Law. (*Head of Department of Jurisprudence and Public Law.*)
- EDGAR LENDERSON HINMAN, Ph. D., Professor of Logic and Metaphysics.
- VERNON LEO HOLLISTER, E. E., Associate Professor of Electrical Engineering.
- GEORGE ELLIOTT HOWARD, Ph. D., Professor of Political Science and Sociology. (*Head of Department of Political Science and Sociology.*)
- ROBERT FRANCIS HOWARD, M. A., Professor of Horticulture. (*Head of Department of Horticulture.*)
- ALICE CUSHMAN HUNTER, Ph. D., Assistant Professor of Roman History and Literature.
- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- THEODORE ALEXANDER KIESSELBACH, A. M., Professor of Agronomy.
- JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)
- JAMES EDWARD LE ROSSIGNOL, Ph. D., Director of School of Commerce and Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*)
- ALICE MARIE LOOMIS, A. M., Professor of Home Economics. (*Head of Department of Home Economics.*)
- GEORGE ANDREW LOVELAND, A. M., LL. B., Professor of Meteorology.
- GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Dean of the Graduate School of Education and Professor of Education. (*Head of Department of Education.*)
- RUFUS ASHLEY LYMAN, A. M., M. D., Dean of the College of Pharmacy, and Professor of Physiology and Pharmacology. (*Head of Department of Physiology and Pharmacology.*)

- EDWIN MAXEY, D. C. L., Ph. M., Professor of Public Law and Diplomacy.
- BURTON EVANS MOORE, Ph. D., Professor of Physics.
- CLARK EDMUND PERSINGER, A. M., Professor of American History.
- HARLEY MARTIN PLUM, Ph. D., Professor of Chemistry.
- RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)
- LOUISE POUND, Ph. D., Professor of English Language.
- CHARLES WILLIAM PUGSLEY, B. Sc., Professor of Agricultural Extension.
- ELIZABETH IRENE REESE, A. M., Associate Professor of Romance Languages and Literatures.
- FREDERICK WARREN SANFORD, A. B., Associate Professor of Roman History and Literature.
- ANDREW D. SCHRAG, Ph. D., Associate Professor of Germanic Languages and Literatures.
- ADDISON ERWIN SHELTON, A. M., Lecturer in Political Science and Director Legislative Reference Bureau.
- CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics. (*Head of Department of Physics.*)
- PHILIP KUHN SLAYMAKER, M. E., Professor of Machine Design.
- OSCAR VAN PELT STOUT, C. E., Dean of the College of Engineering and Professor of Civil Engineering. On leave. Major in the Engineering Officers Reserve Corps. (*Head of Department of Civil Engineering.*)
- FREDERICK AMES STUFF, A. M., Litt. D., Professor of English Language and Literature.
- MYRON HARMON SWENK, A. M., Professor of Economic Entomology.
- GOODWIN DE LOSS SWEZEY, A. M., Professor of Astronomy. (*Head of Department of Astronomy.*)
- WILLIAM GEORGE LANGWORTHY TAYLOR, A. B., LL. B., Professor Emeritus of Economics and Commerce.
- LOUIS BRYANT TUCKERMAN, JR., A. B., Professor of Theoretical Physics.
- FRED WILBERT UPSON, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)
- GEORGE OLIE VIRTUE, Ph. D., Professor of Economics and Commerce.
- HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*)
- ELDA REMA WALKER, Ph. D., Associate Professor of Botany.

CHARLES WILLIAM WALLACE, Ph. D., Professor of English Dramatic Literature.

JOHN ERNST WEAVER, Ph. D., Professor of Ecology.

HUTTON WEBSTER, Ph. D., Professor of Social Anthropology.

DAVID DAY WHITNEY, Ph. D., Professor of Zoology and Anatomy.

EDWIN MEAD WILCOX, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station.
(*Head of Department of Plant Pathology and Physiology.*)

WILLIAM ALBERT WILLARD, Ph. D., Professor of Anatomy. (In Omaha.)

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology.
(*Head of Department of Zoology.*)

HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)

Graduate Council

Professors Alexander, Barker, Brenke, Chatburn, Fossler, Lees, Sherman, Upson, Webster.

Standing Committees

Examinations—Professors Barker, Webster.

Enrollment—Professors Lees, Upson.

Publication—Professors Brenke, Fossler.

Standardization—Professors Alexander, Chatburn.

THE GRADUATE COLLEGE

Organization and History of the Graduate College—Graduate instruction in the University of Nebraska was organized in 1886. In September of that year courses were offered in thirteen subjects, including Sanskrit, Old French, Germanics, and Institutional History. In 1895 a Graduate School was organized, under a dean and a designated faculty. The number of students increased steadily, and in 1898 thirty-nine candidates received degrees. During the second period, lasting till 1909, many graduate subjects were added, including Astronomy, Bacteriology, Commerce, Education, English History, Geography, Physiology, and Sociology. In the legislative session of 1909 the charter of the University was amended, and the establishment of seven colleges, instead of the five colleges named in the charter, was authorized. By this act the Graduate School became the Graduate College of the University of Nebraska.

Purpose of the Graduate College—The Graduate College extends and enlarges the work of the undergraduate departments, in order to provide facilities for specialization and research. It enables students to employ themselves for two or more semesters on uncompleted subjects, or other work for which the discipline of college training has prepared them. It furnishes expert and standard preparation for those who expect to become investigators, consulting engineers, or teachers in academies and colleges. The Graduate College offers these privileges, which would be costly in an institution differently endowed, practically without expense to the student.

Degrees—The degrees of Doctor of Philosophy, Master of Arts, Master of Science, Agricultural Engineer, Civil Engineer, Electrical Engineer, and Mechanical Engineer are conferred on registered students, by the Board of Regents, upon recommendation of the Graduate Faculty.

ADMISSION TO THE GRADUATE COLLEGE

Classes of Graduate Students—The Graduate College recognizes three classes of applicants: those who, having taken a bachelor's degree, wish to broaden their education without reference to higher degrees; those who wish to be candidates for advanced degrees, but are deficient in undergraduate preparation; and those who are eligible to candidacy, and wish to enter at once upon their special work. Those who do not wish to be candidates for an advanced degree are at once admitted, on evidence of graduation, to approved work in the Graduate

College. Persons presenting first degrees in Law or Medicine or Theology may be admitted in this class. Those seeking advanced degrees, with insufficient preparation, are admitted to graduate standing, but must at once make up their deficiencies by taking courses in the undergraduate colleges. On completion of these assigned or arranged courses, such students are recognized as applicants of the third class, and may be registered as candidates for the degree desired.

Registration—Graduates of the undergraduate colleges of this University, or of other colleges having equivalent courses and requiring four years of standard preparation, who have been accepted and approved by heads of departments in charge of the subjects proposed, are registered by the Dean of the college for the degree they designate. For the degree of Doctor of Philosophy, the candidate must be registered for a major subject and an approvably related minor, or a major subject and two approvably related minors. Candidates for the degree of Master of Arts may be registered for a single subject, or for a major and a minor subject, or for a major and two minors.

Fees

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

Matriculation (payable on entering each college).....\$ 5.00

Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.

Incidental, each semester..... 3.00

Library, each semester..... 1.00

Diploma fee, for each advanced degree..... 10.00

Diploma fee, for each advanced degree (in absentia)..... 20.00

Agricultural Engineering—Courses 5, 6, 7, \$1; 8, 9, 10, 12, \$3.

Applied Mechanics—Courses 15, 25, 26, \$5; 18, \$4; 16, 17, \$3.

Bacteriology and Pathology—Courses 2a, 3, 4, \$5.

¹Graduate students taking laboratory work are charged the usual laboratory fees. A student paying any laboratory fee is not required to pay the library fee.

- Botany—Courses 5, 6, 20, \$3; 11, 12, 13, 14, 27, 28, 29, 31, 33, 34, \$1; 15, 17, 18, 21, 22, \$2; 37, 38, 41, 42, 43, 44, 45, 46, for each credit hour a semester, \$1.
- Chemistry—Courses 20, 27, 51, 52, 80, 82, 84, 86, 88, \$5; 28, 67, 69, \$4; 46, \$6; 33, 34, \$8; 5, 23E, 23F, 23G, 23 I S, 23M, 23 O R, 23W, 24, 39, 40, 68 for each credit hour a semester, \$2; 43 for 3-5 hours, 44 for 4-6 hours, \$2-6.
- Civil Engineering—Course 2, \$4; 5a, 6a, 8, \$3.
- Entomology—Courses 15, 16, 17, 18, for each credit hour a semester, \$1.
- Geography and Conservation—Courses 23, 24, \$1.
- Geology—Courses 27, 34, 35, 35a, \$2; 15, 16, \$3.
- Horticulture—Courses 23, 24, \$2.
- Mechanical Engineering—Courses 16, 17, \$6; 15, \$5; 18, \$2.
- Physics—Courses, 7, 8, 9, \$4.
- Physiology and Pharmacology—Course 10, \$2; 19, 20, \$5.
- Plant Pathology and Physiology—Courses 117, 118, \$3; 115, 116, for each credit hour a semester, \$1; 125, 126, 127, 128, for each credit hour a semester, \$2.
- Zoology—Courses 32, 35, \$2; 33, 34, 37, 43, for each credit hour a semester, \$1.

The usual laboratory fees are required of those taking work in any science or engineering department. But any student who is able to devote only a portion of his time to his University work may, upon the recommendation of the Graduate Council to the University Secretary, be permitted to register free of charge after he has paid the usual dues and fees for four semesters, if a candidate for the degree of Master of Arts, and for eight semesters, if a candidate for the degree of Doctor of Philosophy.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidacy for the degree of Doctor of Philosophy can in no case be completed in less than three years of graduate study. Two years of such work in another institution, when carried with proper facilities and under competent instruction, may be credited by the Graduate Council; but the last year of candidacy must be spent in residence in the Graduate College. Each candidate must, at registration, satisfy the Graduate Council that he has a reading knowledge of French and German, or must arrange with the heads of these departments with reference to his deficiencies.

Preliminary Examination—Not later than one school year before his final examination, each candidate for the degree of Doctor of

Philosophy must submit to a preliminary examination. This examination may be waived, however, in the case of a candidate who has taken his Master's degree in this University.

Thesis—On completion of his studies, the candidate must present an acceptable thesis. The thesis, prepared upon a topic that has been approved by the professor in charge of the major subject, must show evidence of scholarly research. It must be typewritten, paged, and bound according to a prescribed form, which may be seen in the University library. It must be submitted to the professor in charge of the major subject at least two months before the intended graduation of the candidate. When it has been approved by the examining committee, it will be placed in the Chancellor's office, where, during a period of not less than two weeks, it will be available for inspection by members of the faculty. A public defense of the thesis may be required of the candidate. After the thesis has been finally approved, the candidate must file an original and a duplicate typewritten copy of it with the librarian. The original copy of the thesis so filed may not be loaned, or pass from the custody of the librarian under any circumstances or pretext whatsoever. It is also required of the candidate that he have printed and deposited in the library of the University one hundred copies of his thesis, to be subject to the control of the librarian and the head of the department concerned. All theses and printed copies thereof must be provided with a cover and a title page lettered in a form prescribed by the librarian. The degree, however, may be conferred before the thesis is printed, provided a security bond be furnished and filed with the Secretary of the Board of Regents. The amount of this bond is to be named by the librarian, and any term of extension will be fixed jointly by the librarian and the Dean of the Graduate College.

Final Examination—After the thesis of the candidate has been accepted by the examining committee, he must pass a public examination in the subject offered for his degree. This examination is held before an examining committee of not less than three members, including the professors in charge of the major and minor subjects, supplemented if necessary by appointment from the graduate faculty.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

Candidacy for the degree of Master of Arts¹ can in no case be completed in less than a year of resident graduate study. On completion

¹The degree of Master of Science may be substituted for the degree of Master of Arts, on application, by candidates who have pursued approved courses in Theoretical or Applied Science.

of this study, the candidate must pass a public examination, and present an acceptable thesis, based upon some topic connected with his major subject.

Examination—After finishing his studies, each candidate must pass a public examination in the subjects offered for the Master's degree. By concession, a student unable to complete his candidacy in a single residence at the University may be examined in his major and minor studies separately on completion of either. The examination is conducted by a committee composed of the professors in charge of the major and minor subjects, and some member of the Graduate Council. If but a single subject is offered, an additional examiner is appointed from the Graduate Faculty.

Thesis—Each candidate for the degree of Master of Arts must present a thesis embodying, in connection with his major subject, the results of research, or the scholarly treatment of some topic. It must be typewritten, paged, and bound according to a prescribed form, which may be seen in the library of the University. It must be submitted for examination at least two weeks before the intended graduation of the candidate. After being approved and accepted, the thesis becomes the property of the University and is placed on file in the University library.

FELLOWSHIPS AND SCHOLARSHIPS

Fellowships and Scholarships, established in the different departments of the University, are available to students registered in the Graduate College. Fees are remitted to Fellows and Scholars for courses listed in the Graduate College only. Fees will be required for all undergraduate laboratory work. These positions are awarded to students recommended by the respective heads of departments. They are not gifts or benefactions from the State, but are means whereby services are rendered to the University and at the same time the holder is assisted in some special line of work. The instruction required of Fellows and Scholars is confined to the department in which they are pursuing advanced work. For additional information see the announcement of the various colleges.

COURSES OF INSTRUCTION

The courses of instruction are grouped together, in later pages of this cataog, under the heading "Courses of Instruction."

The
Graduate School of Education
In the Graduate College

OFFICERS OF ADMINISTRATION AND INSTRUCTION

-
- ¹SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
 WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.
 LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College and Professor of English Language and Literature. (*Head of Department of English Language and Literature.*)
 GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Dean of the Graduate School of Education and Professor of Education. (*Head of Department of Education.*)
 FLORENCE IRWIN MCGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*)
-

- HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy.
 GROVE ETTINGER BARBER, A. M., Professor of Roman History and Literature. (*Head of Department of Roman History and Literature.*)
 ERWIN HINCKLEY BARBOUR, Ph. D., Professor of Geology. (*Head of Department of Geology.*)
 WILLIAM CHARLES BRENKE, Ph. D., Professor of Mathematics.
 LAWRENCE BRUNER, B. Sc., Professor of Entomology and Entomologist of the Experiment Station. (*Head of Department of Entomology.*)
 WILLIAM WESLEY BURR, B. Sc., Professor of Agronomy. (*Head of Department of Agronomy.*)
 HOWARD WALTER CALDWELL, A. M., Professor of American History. (*Head of Department of American History.*)
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 GEORGE RICHARD CHATBURN, A. M., C. E., Professor of Applied Mechanics and Machine Design. (*Head of Department of Applied Mechanics and Machine Design.*)
 GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)

¹Absent on leave from February 1 to September 1, 1918, in war service.

- CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)
- ²BENTON DALES, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*)
- WILLIAM FRANCIS DANN, A. M., Professor of History and Criticism of the Fine Arts. (*Head of Department of History and Criticism of the Fine Arts.*)
- ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences and Professor of Mathematics. (*Head of Department of Mathematics.*)
- CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean and Professor of Applied Mathematics.
- FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*)
- MILLER MOORE FOGG, A. M., Professor of Rhetoric, in charge of Debate and Newspaper Writing.
- CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)
- LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)
- PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)
- PAUL HENRY GRUMMANN, A. M., Director of the School of Fine Arts and Professor of Modern German Literature.
- GEORGE ELLIOTT HOWARD, Ph. D., Professor of Political Science and Sociology. (*Head of Department of Political Science and Sociology.*)
- GUERNSEY JONES, Ph. D., Professor of English History. (*Head of Department of English History.*)
- JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)
- JAMES EDWARD LE ROSSIGNOL, Ph. D., Director of the School of Commerce and Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*)
- RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Physiology and Pharmacology and Dean of the College of Pharmacy. (*Head of Department of Physiology and Pharmacology.*)

²Resigned.

¹Deceased.

- RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)
- FREDERICK WARREN SANFORD, A. B., Associate Professor of Roman History and Literature.
- CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics. (*Head of Department of Physics.*)
- OSCAR VAN PELT STOUT, C. E., Dean of College of Engineering and Professor of Civil Engineering. On leave. Major in the Engineering Officers' Reserve Corps. (*Head of Department of Civil Engineering.*)
- FREDERICK AMES STUFF, A. M., Litt. D., Professor of English Language and Literature.
- GOODWIN DE LOSS SWEZEY, A. M., Professor of Astronomy. (*Head of Department of Astronomy.*)
- GEORGE OLIEN VIRTUE, Ph. D., Professor of Economics and Commerce.
- HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*)
- EDWIN MEAD WILCOX, Ph. D., Professor of Plant Pathology and Physiology and Plant Pathologist of the Experiment Station. (*Head of Department of Plant Pathology and Physiology.*)
- ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology. (*Head of Department of Zoology.*)
- HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)

Standing Committees

- Course of Study—Professors Wolfe (*Chairman*), Fossler, Fling, Fordyce, Pool, Sanford, Skinner, Stuff, Virtue.
- Graduate Teachers' Diploma—Professors Caldwell (*Chairman*), Barbour, Chatburn, Dales, Brenke, and the Registrar.
- Advisory and Teachers' Employment—Dean Luckey, Professor Reed, and the Professor concerned with the student's graduate major subject.
- Nominations—The Chancellor, Deans Luckey, Sherman.

THE GRADUATE SCHOOL OF EDUCATION

Organization—The Department of Education for the professional training of secondary teachers was established in 1895. Prior to that, courses in education had been offered by the Department of Philosophy. From the first, work in the Department of Education, except in the case of experienced teachers, was limited to students of junior, senior, or graduate rank. In 1908 the Teachers College and the new Department of Educational Theory and Practice were established, both, as in the Department of Education, covering work of the last two years of the college course, or an additional graduate year. Since 1897 many departments concerned with subjects taught in the high schools have offered graduate courses for the better preparation of teachers. In the spring of 1914 this individual effort in the training of teachers thru graduate study was organized into the Graduate School of Education.

Purpose—The Graduate School of Education is designed to meet three important needs: A stronger and more effective body of teachers; better educational material and more progressive scholarship; more healthful school conditions, better standards of measurement and more inspiring methods of instruction. It is, therefore, the purpose of the school, first, thru organized and directed graduate study to prepare (a) efficient teachers for the best high schools, normal schools, and colleges, (b) school administrators, principals, and superintendents, (c) experts in social welfare and teachers of special subjects; second, to organize and direct graduate study in education, to promote research and to stimulate investigation of the present practices of school and society; third, to furnish a laboratory or workshop in which disciplined schoolmen can unite with graduate students in working out the difficult problems of school administration and instruction.

Requirements—The Graduate School of Education is open only to graduate students who have met the conditions of registration in the Graduate College. To obtain the graduate teachers' diploma the student must have received the master's or doctor's degree from the Graduate College in this institution. The major, or major and minors, leading to the above degrees are departmental functions and may be elected at will by the student. The major for the master's degree, in most departments, covers about twelve semestral hours (sixteen in Education) of graduate study plus a thesis showing original investigation; the minor varies from eight to twelve semestral hours of classroom work. In addition to the major, or major and minor, which represent the subjects the student is preparing to teach, there are

eighteen semestral hours of graduate courses in education and psychology, twelve in the former and six in the latter. Students who have not had experience in teaching are required to obtain credit for observation and practice-teaching in the University. Courses one, two, seven, twenty or twenty-one in Education and one and two in Philosophy as offered in this University are prerequisites to the above professional requirements. The only fixed requirements are four semestral hours in adolescence, two in graduate theory and practice, and four in graduate experimental psychology. The additional requirements may be elected from courses 5-6, 8-14, 24-26, and 36 or the student may elect two hours from graduate courses on methods of teaching his major subject under the advice of the professor of theory and practice.

Graduate Teachers' Diploma—The graduate teachers' diploma is conferred on those who, thru graduate study, have shown productive scholarship and special fitness for teaching in all departments of elementary and high schools, normal schools, and colleges. It is the highest recommendation offered by the University to the teaching profession, and covers only the subject or subjects that the student, thru at least a year of graduate study, is specially prepared to teach. The diploma is accredited in most of the states as sufficient credential upon which to base teachers' certificates.

To obtain the graduate teachers' diploma one must have fulfilled the requirements as outlined above which include the minimum requirement for the graduate major or minor. The graduate major or minor for the master's degree requires for the former twenty-four semester hours of graduate credit plus an approved thesis, sixteen in Education and eight in Philosophy (Psychology) of which at least eight hours must be under the immediate direction of the major or minor professor and at least six hours must be under the direction of the professor of philosophy (psychology). The graduate minor in education for the master's degree requires eighteen graduate semester hours, twelve in education (at least eight of which must be in one department), and six in philosophy (psychology). This may be accomplished in one year of graduate study—four summer sessions—by persons who are specially fitted for graduate study and who continue with their strongest interests, others may require a year and a summer session, or even two years. The master's or doctor's degree must precede or be granted along with the graduate teachers' diploma. The latter is based on one year of graduate study of not less than thirty semestral hours of credit. The time required to accomplish a given end depends largely on the preparation and ability of the student and the nature and importance of his subject. Much depends on the judg-

ment of the student in selecting a major. Every subject has its value and its difficulties, some more than others. Most students will major in the academic subject they expect to teach, making education a minor. Only those students who are preparing to teach education in normal school or college are encouraged to major in that subject. Where graduate students are employed to assist the professors in class-work and conferences they obtain the most valuable practice-teaching. Most graduate departments have scholarships and fellowships open to properly prepared students in which the above assistance can be rendered.

Graduate students, not candidates for degrees or diplomas, will find in the Graduate School of Education excellent opportunity to renew their youth and increase their teaching-efficiency by profitable advanced study.

Courses of Instruction—The graduate courses of instruction leading to advanced degrees and the graduate teachers' diplomas are usually so designated and scheduled in the different departments under the general heading "Courses of Instruction." When not so designated in the announcement the student, thru the advice of his major professor, will have little difficulty in selecting appropriate academic courses fulfilling the major or minor requirements for advanced degrees, including the graduate teachers' diploma. In most departments graduate work is conditioned on previous undergraduate preparation in the same subject. To illustrate: "Students in the Graduate School of Education who elect a major in Botany must have had courses 1 and 2 (or their equivalent). They are recommended to take courses 3 and 4 and in addition courses 13 and 14, 33 and 34, 20 and Plant Pathology and Physiology 105."

The professional requirements for the graduate teachers' diploma may be met from courses 5-18, 27-29, and 36 in Education, a teachers' course in the major subject, and courses 11-16 in Philosophy.

Fees—There are no extra fees for enrolling in the Graduate School of Education, other than those required in the Graduate College. There is, however, a fee of two dollars for the graduate teachers' diploma.

The College of Law

OFFICERS OF INSTRUCTION AND ADMINISTRATION

¹SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

WILLIAM GRANGER HASTINGS, A. B., Dean of the College of Law and Acting Chancellor of the University.

FLORENCE IRWIN McGAHEY, A. B., Registrar and University Publisher (*Secretary of the Faculties.*)

WILLIAM GRANGER HASTINGS, A. B., Professor of Law, Dean of the College of Law.

JEFFERSON H. BROADY, A. B., J. D., Assistant Professor of Law.

GEORGE NIMMONS FOSTER, Ph. B., LL. B., J. D., Assistant Professor of Law.

JOHN JAMES LEDWITH, B. Sc., LL. B., Assistant Professor of Law.

EDWIN MAXEY, Ph. M., D. C.L., Professor of Public Law and Diplomacy.

CHARLES AUGUSTUS ROBBINS, Ph. M., LL. B., Professor of Law.

ADDISON ERWIN SHELDON, A. M., Director of the Legislative Reference Bureau. Instructor in Contemporary Legislation.

SAMUEL JOHNSON TUTTLE, A. M., LL. B., Ex-Judge of the District Court. Instructor in Real Property, Lecturer on Land Titles.

HENRY H. WILSON, A. M., LL. M., Professor of Law.

RALPH PARKS WILSON, A. B., LL. B., Lecturer on Torts.

¹Absent on leave from February 1 to September 1, 1918, in war service.

THE COLLEGE OF LAW

As a place for study, the modern law school has great superiority over the law office. This has led the American Bar Association to recommend an absolute requirement of law school work for admission to the bar. Among law schools, moreover, those which form part of a university community offer many advantages in the way of free lecture courses, opportunities for pursuing kindred studies, general library facilities, students' societies and clubs not to be had in an independent law school or in a university law department which is located apart from the university's other schools and colleges. The College of Law of the University of Nebraska is a modern law school in the center of a large and growing university community.

COURSES AND DEGREES

Three-Year Course. Three years of undergraduate work in the College of Law and one preliminary year of academic study are necessary for the degree of Bachelor of Laws.

Six-Year Combined Academic and Law Course. Fourth-year students in the College of Arts and Sciences may elect courses in the department of Jurisprudence and Public Law which count towards the degree of Bachelor of Laws, and not to exceed twelve hours¹ a week each semester of the first-year studies in the College of Law. These subjects count towards the degree of Bachelor of Arts or of Bachelor of Science. By this arrangement, a student is enabled to complete a combined course of study in six years and receive the two degrees. The student expecting to take this combined course of six years must declare his intention before taking his first degree and must pay the regular fees of the College of Law. Students completing this course may receive the degree of Doctor of Jurisprudence by meeting the requirements as shown for this degree under "Requirements for Graduation."

ADMISSION TO THE COLLEGE OF LAW

Credentials which are accepted towards admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any se-

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation during each of the eighteen weeks of a semester.

mester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only through matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing in the College of Law may be (1) *complete*, meeting all requirements of the College, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 hours¹ of college work and 30 entrance points, for conditional admission 30 hours of college work and a minimum of 28 entrance points, from one of the approved sources given below, under "Admission by Certificate," and in the subjects for the amount indicated below, under "Entrance Subjects." Students are permitted to enter this college deficient 9 hours of the above college work if the character of their preparation is such that during the first year and the following Summer Session, in which is permitted registration for a maximum of 9 hours, all deficiencies can be removed and the work of the first year in the College also be completed. Work from another institution presented to meet the above requirements of college work will be evaluated as indicated below, under "Admission to Advanced Standing."

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted, must be submitted within one year from date of matriculation.

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation during each of the eighteen weeks of a semester.

College credit is given for work done in a secondary school only upon examination and then for a maximum of eight hours elective credit and only in Greek, solid geometry, trigonometry, third and fourth year German and French, and fourth year Latin and English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate, and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional admission to freshman standing, must be presented in the following subjects for the amount indicated; the time element, as indicated above in the definition of an *entrance point*, is essential:

Required Subjects	Points
English	4
History (European) (a)	2
Language (foreign) (b)	6 to 4
Mathematics (algebra and geometry) (b)	4 to 6
Science (laboratory)	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with minimum of four points in either.

Admission to Advanced Standing

Applicants for admission from other Universities or Colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of the recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work ap-

plies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty of the hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulation as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason.

REGISTRATION

Registration week each student is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless excused by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A fee of \$.50 is charged for any change whatever in registration (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the

Registrar from the Dean of each College concerned. A student is allowed to drop any subject for which he has been regularly registered on written permission of the Dean of the College. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than seventeen hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors to students for removing a "condition" or "incomplete".

Student Adviser. The Dean of the College is the students' Adviser. He has daily consultation hours when students may call seeking advice and encouragement in their work. Leave of absence for a brief period is granted a student by the Dean. This leave is merely a justification for the absence and is not an excuse from any work. Students not previously excused shall make request for excuse for absence within two weeks after the absence ceases.

FEES AND EXPENSES

Fees must be paid upon registration, to the Secretary, who does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided. The incidental, library and matriculation fees will not be refunded in any case except when charged through official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by

the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory. No extra fees are charged in the College of Law to students from other states. No student may enroll in classes or take any private examination until his fees are paid. The schedule of fees in the College of Law is as follows:

Matriculation fee (payable on entering each college).....\$5
 Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.

Library fee, each semester..... 1
 Incidental (6-year combined course), each semester 3
 Diploma fee (Bachelor of Law)..... 5
 Diploma fee, in absentia, undergraduate (Bachelor of Law).....15
 Diploma fee (Doctor of Jurisprudence).....10

Special Fees:

Late registration (after registering days)..... 3
 Re-registration (including change in registration).....50

Tuition fees:

Annual tuition, payable \$25 for the first semester and \$20 for the second semester45
 For one semester only.....25
 Special students, in proportion to number of hours taken but not less than one-third of full tuition.

Examination fees:

For advanced standing.....10
 For all who require special examination..... 2

Expenses. The cost of table board to students in Lincoln ranges from \$4.00 to \$5.50 a week. The cost of lodging ranges from \$8 to \$12 a month, the usual cost being from \$5 to \$8 where two students occupy the same room. The usual cost of combined board and lodging is from \$25 to \$30. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least a part of his expenses. The authorities of the College do not, however, undertake to find employment for students. The University Y. M. C. A. maintains an employment bureau, whose services are free to students.

REQUIREMENTS FOR GRADUATION

The Degree of Bachelor of Laws. Regular students who have completed the course of instruction to the satisfaction of the faculty of the

College of Law and the Board of Regents of the University receive the degree of Bachelor of Laws. Students whose time and means do not permit them to complete the course receive certificates of proficiency according to the merit and extent of their work.

Grades. No student will be recommended for graduation whose general average is below 70 per cent.

No student is recommended for graduation who is not within 18 hours of the requirement at the beginning of his last semester.

The Degree of Doctor of Jurisprudence. Holders of the degree of Bachelor of Laws from the University of Nebraska who have completed the course leading to that degree with an average standing of not less than 75 per cent and who are also holders of baccalaureate degrees from colleges and universities of recognized standing, shall be entitled to the additional degree of Doctor of Jurisprudence, if they shall within not less than one nor more than five years from their graduation, as Bachelors of Laws, present proof of having spent at least one year in legal professional pursuits, either as practitioner, teacher or student of Jurisprudence and shall present a satisfactory thesis upon some professional legal topic, either theoretical or practical, which thesis shall be accepted by the Faculty of the College of Law. The foregoing rule shall apply to all present holders of the degree of Bachelor of Laws from the University of Nebraska who can meet the requirements thereof within five years from June 9, 1915. Candidates for this degree must re-matriculate and register in the University for the year prior to the Commencement at which they expect to receive the same.

ADMISSION TO THE BAR

Under the statutes of Nebraska, admission to the bar is to be had in the Supreme Court only, and is governed by rules established by that court. The statutes now provide as follows: "No person shall be admitted to the bar unless such person is at least twenty-one years of age and of good moral character, and unless such person either (1) has had a preliminary education, other than legal, equivalent to that involved in the completion of the first three years of a high-school course accredited by the State Department of Public Instruction, and has regularly and attentively studied law in a reputable law school or in the office of a practicing attorney, or partly in such school and partly in such office, for a period of at least three years, at least one year of which office study shall have been passed in a law office in this state, and shall pass a satisfactory examination upon the principles

of the common law, equity, criminal law, statutes and practice of this state; or (2) is a regular graduate of the College of Law of the University of Nebraska, or of such other college of law of this state having entrance requirements and a course of study equal to and equivalent to those of the College of Law of the University of Nebraska as the Supreme Court shall, upon application and showing, designate as a College of Law whose graduates shall be entitled to admission without examination; Provided, that such other College of Law shall be a member of the Association of American Law Schools. Provision shall be made by rule of court for the registration of students in law offices in this state at the beginning of their respective terms of study in the office of the clerk of the Supreme Court or the office of the clerk of the District Court in the county in which any such law office is located." The College of Law of this University is a member of the Association of American Law Schools and graduates of the College of Law are admitted to practice in Nebraska on motion without examination other than that sustained prior to graduation.

COURSES OF INSTRUCTION

The course of instruction in the College of Law extends through three years of thirty-six weeks each exclusive of vacations. The design of the course is two-fold: (1) To afford the training in the fundamental principles of the common law essential to the practice of the profession in any jurisdiction where that system obtains. (2) To acquaint the student with the special subjects of immediate or local importance in Nebraska and neighboring states and to instruct him thoroughly in the peculiarities of substantive law and procedure in those jurisdictions, so as to enable him to enter upon the practice understandingly at once, without any further term of practical instruction in an office. In addition, bearing in mind the extent to which the legislature and executive departments are recruited from the bar and the part which the profession must take in legislation of all kinds, as well as in progress and reform of the law, it is designed to stimulate an intelligent and enduring interest in the history and science of law, and in scientific methods of legislation in order to make not merely practitioners, but lawyers in the fullest sense. With the additional requirement of one year of college work by way of preparation it is hoped that the student may be saved from what seems the most besetting error in regard to law and society, a wholly mechanical conception of them and of possible changes in them. The following program of study is made with these ends in view:

REQUIRED COURSES

FIRST YEAR—FIRST SEMESTER

Common Law Pleading—Whittier's Cases on Pleading Part I and supplementary cases. Two hours. Foster

Contracts—Williston's Cases on Contracts. Three hours. Robbins

Criminal Law and Procedure—Mikell's Cases on Criminal Law; the Nebraska Criminal Code. Three hours. Maxey

History and System of the Common Law—A general survey of the legal system of English-speaking countries; courts, their organization and jurisdiction. Selected cases; Blackstone's Commentaries. Book III; Street's Foundations of Legal Liability, vol. 3. Forms of Action, Maitland's Lectures. Two hours. Hastings

Property I—Gray's Cases on Property, 2d ed., vols. 1 and 2. Two hours. Broady

Torts—Ames & Smith's Cases on Torts, vol. II. Two hours. Wilson

FIRST YEAR—SECOND SEMESTER

Agency—Huffcut's Cases on Agency. Two hours. Robbins

Common Law Pleading—Whittier's Cases Part II and supplementary cases. One hour. Foster

Contracts (Concluded)—Three hours. Robbins

Domestic Relations—Woodruff's Cases on Domestic Relations. One hour. Foster

Equity Jurisdiction I—Keener's Cases on Equity Jurisdiction, vol. 1. Two hours. Hastings

Practice in Justices' Courts—Selected cases; Cobbeys' Students' Code of Nebraska. One hour. Ledwith

Property I (Concluded)—Gray's Cases on Property, 2d ed., vols. 1 and 2. Two hours. Broady

Torts (Concluded)—Ames & Smith's Cases on Torts, vol. 1. Two hours. Wilson

SECOND YEAR—FIRST SEMESTER

Code Pleading—Hinton's Cases on Code Pleading and supplementary cases. Three hours. Foster

Equity Jurisdiction II—Keener's Cases on Equity Jurisdiction, vols. 2 and 3 and Nebraska Cases. Three hours. Hastings

Equity Pleading—Thompson's Cases on Equity Pleading. One hour.
Foster

Evidence—Wigmore's Cases on Evidence. Two hours. Wilson

Property II—Gray's Cases on Property, 2d ed., vol. 3 and selected cases. Two hours. Broady

Quasi-Contracts—Woodruff's Cases on Quasi-Contracts. Two hours.
Robbins

Court Practice I—Call of Junior Docket moot cases. Lectures on Evidence as branch of Practice. Nebraská cases. One hour. Foster

SECOND YEAR—SECOND SEMESTER

Bills and Notes—Smith & Moore's Cases on Bills and Notes. Three hours. Robbins

Code Practice—Bringing an action; provisional remedies; Nisi prius; judgment, execution, appellate procedure. Sunderland's Cases on Practice; Revised Statutes of Nebraska. Wheeler's Compiled Statutes. Codes. Three hours. Hastings

Damages—Beale's Cases on Damages. One hour. Broady

Evidence (Concluded)—Two hours. Wilson

Wills and Administration—Gray's cases on Property, 2d ed., vol. 4. Two hours. Broady

Trusts—Ames' Cases on Trusts and supplementary cases. Three hours. Foster

Court Practice I—Call of Junior Docket. Lectures and discussion of Trial under the codes. Nebraska cases. One hour. Foster

THIRD YEAR—FIRST SEMESTER

Constitutional Law—Hall's Cases on Constitutional Law. Two hours. Hastings

Federal Procedure—Selected cases. One hour. Wilson

Insurance—Selected cases. One hour. Robbins

Mortgages—Kirchwey's Cases on Mortgages. Two hours.
Ledwith

Partnership—Gilmore's Cases on Partnership. Two hours.
Robbins

Private Corporations—Smith's Cases on Private Corporations. Two hours. Maxey

Property III—Gray's Cases on Property, vol. 5. Three hours.
Tuttle

Court Practice II—Call day for Senior Docket moot Court. Lectures and discussions on appeal and error Nebraska cases. One hour.
Foster

THIRD YEAR—SECOND SEMESTER

Constitutional Law (Concluded)—Hall's Cases on Constitutional Law. Three hours. Hastings

Municipal Corporations—Smith's cases on Municipal Corporations and selected cases. One hour. Broady

Public Service Companies—Beale and Wyman's Cases on Public Service Companies. Two hours. Maxey

Private Corporations (Concluded)—Two hours. Maxey

Property III (Concluded)—Gray's Cases on Property, vol. 6. Two hours. Tuttle

Sales—Burdick's Cases on Sales. Two hours. Robbins

Suretyship and Guaranty—Wilson's Cases on Suretyship and Guaranty. One hour. Wilson

Court Practice II (Concluded)—Appellate Practice under the Codes. One hour. Foster

ELECTIVES

At least eight hours of work in the elective courses must be presented for the degree

For satisfactory work in English (Literature or Rhetoric) for which credit has not been given toward entrance requirements or some other degree one-half time will be allowed on these elective hours.

OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS AND, UPON CONSENT OF THE DEAN, TO FIRST-YEAR STUDENTS

Administrative Law I (PUBLIC LAW 3)—Public officers; extraordinary legal remedies. Goodnow's Cases of the Law of Officers. First semester. Two hours attendance. Two hours credit. Maxey

Administrative Law II (PUBLIC LAW 4)—Taxation. Goodnow's Cases on Taxation. Second semester. Two hours attendance. Two hours credit. Maxey

Analytical and Historical Jurisprudence (JURISPRUDENCE 3)—Second semester. Three hours attendance. Three hours credit. Maxey

International Law I (PUBLIC LAW 6)—Maxey's International Law. First semester. Three hours attendance. Three hours credit.

Maxey

International Law II (PUBLIC LAW 7)—Advanced Course. Second semester. Two hours attendance. Two hours credit to students who do not present International Law 1. Maxey

Admiralty Law—Ames' Cases. Two hours attendance. Two hours credit. Second semester. Maxey

Roman Law (JURISPRUDENCE 2)—History and Institutes. First semester. Two hours attendance. Two hours credit. (*Given in 1918-1919 and alternate years.*)

Practical Legislation (POLITICAL SCIENCE 33 and 34)—Drafting and criticism of legislative bills and information briefs with Legislative Reference Bureau. Practice work at State House January to April of odd-numbered years. Open to second and third-year, and, on the approval of the Dean, to first-year law students. Sheldon

OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS ONLY

Bankruptcy—Holbrook and Aigler's Cases on Bankruptcy. First semester. Two hours attendance. Two hours credit. Robbins

Conflict of Laws—Beale's Cases on the Conflict of Laws. Minor's Conflict of Laws. Second semester. Two hours attendance. Two hours credit. (*Given in 1917-1918 and alternate years.*) Hastings

Irrigation Law—Selected cases. First semester. Two hours. (*Given in 1917-18 and alternate years.*) Broady

Mining Law—Costigan's Cases on Mining Law. First semester. Two hours. (*Given in 1918-1919 and alternate years.*) Hastings

OPEN TO THIRD-YEAR STUDENTS ONLY

Conveyancing—Practical exercises in conveyancing, examining abstracts of title, and drafting papers, under the personal supervision of the instructor. Pound's Exercises in Conveyancing. Second semester. Two hours attendance. Two hours credit. Ledwith

EXTRA COURSES (NO CREDIT)

Bar Examination Review—A general review of the more important topics of the law, based upon questions used at bar examinations. Open to third-year students only. Second semester. Hours to be arranged. Robbins, Hastings, Maxey

PRACTICE AND PRACTICE COURTS

In addition to the courses in practice, in which instruction is given in the principles and general rules of procedure in state and federal courts, practice courts are maintained in order to afford the student an opportunity of acquainting himself with the various steps in an orderly litigation and of learning by actual experience to determine what proceedings to bring, how to bring them, and how to conduct causes to a final determination. The work in these courts is required. Every effort is made to reproduce the conditions of actual practice. First year students serve as parties, witnesses and jurors. Second year students serve as constables, sheriffs, clerks of the courts of record, and practicing attorney. Third year students serve as justices of the peace, county attorneys and in some cases as judges of the various courts of record and practicing attorneys. Three members of the faculty serve as judges at the sessions of the county and district moot courts which are held each Friday afternoon. The Supreme Court is made up of instructors and third year students.

The parties and witnesses are advised of the facts of the controversy by the instructor and the student who acts as counsel discovers the matter at issue and the testimony he may adduce in support of his contentions by consultation with the party for whom he appears and his witnesses. He then determines the form of action or proceedings, sues out and returns process, prepares pleadings and takes all steps required to bring the cause to trial. The trial is attended by an instructor, who gives personal instruction in trial procedure, preparation of instructions, verdicts, and journal entries, making motions for new trial or in arrest of judgment, settlement of bills of exceptions, supersedeas, and procedure on appeal.

Each student is required during the second year to try at least one case in an inferior court, and to take it by appeal to the district court, or two cases in an inferior court. In the third year each student is required to take part in at least two causes, one preferably at law and one in equity, in the district court, and on appeal in the supreme court. A county court is also provided to furnish practice in the probating of wills, and the administration of estates. Dockets are arranged in which cases are assigned and from which announcements are made as indicated above under Practice Courts. Attendance on this course as well as the court is required.

Further practical exercises in drawing the proper papers or instruments to meet the facts of hypothetical cases are provided in the courses in pleading, in practice, and in conveyancing. The student is never allowed to lose sight of the fact that he is being fitted to practice his chosen profession.

COLLEGE OF LAW LECTURE COURSE

Lectures by prominent members of the bench and bar have been provided. The lectures are upon practical topics from the standpoint of the practitioner, and among other subjects, will deal with patent, copyright and trademark law, preparation of causes for trial, the presentation of causes to court or jury, the examination of witnesses and other branches of advocacy, land titles, professional ethics, commercial business, collections and adjustments, the organization and management of business corporations, office economy and the selection of a library.

METHOD OF INSTRUCTION

The College of Law follows in the main the "Case" or "Source" method of teaching law. Instead of studying text-books upon which to recite, the students summarize, and prepare to expound and to comment upon in class, the important cases to which the text writers themselves must go for the law. This resort to the sources is made under the guidance of experienced instructors who supplement the class discussion of the cases with such information as the students require to enable them to understand the cases and the topics to which the cases relate. Students are often advised, and sometimes required, to read particular text-books, to supplement the work in the cases, and whenever there is occasion to do so the instructors lecture on particular legal problems. The great aim of the class work is to increase the student's accuracy of legal perception, his ability to analyze cases and extract the right principles from them, and his power to apply those principles to such more or less complicated facts as normally arise in legal practice; and especially to get an accurate acquaintance with legal relations as underlying legal rules.

LIBRARIES

Students in the College of Law have access to various libraries, aggregating 300,000 volumes.

The College of Law Library, which contains more than 8,000 volumes of standard reference and text-books on the common law and of American and English law reports, is a branch of the University Library.

The University Library of 134,000 volumes includes the standard authorities and works of reference on international law, Roman law, jurisprudence and public law.

The State Library of 73,340 volumes at the Capitol is one of the best law libraries in the West, containing the law reports and statutes of all English-speaking jurisdictions and all the leading text-books on legal subjects.

The Lincoln City Library contains 40,562 volumes.

The Nebraska State Historical Society Library contains 62,000 titles.

PRIZES AND HONORS

Callaghan & Company Prize. Callaghan & Company, Law Publishers of Chicago, offer a prize consisting of a copy of the Cyclopedic Law Dictionary to the most proficient student in the course on "History and System of the Common Law." In 1916-17 awarded to Harvey Magnus Johnsen.

Legal Bibliography Prize. To promote a practical knowledge of legal bibliography, the Dean of the College offers a prize, open to all students—any standard legal treatise, to be selected by the winner. This prize is awarded upon an examination held in the law library at the beginning of the second semester. The examination is both oral and written, embracing the principal reports, American and English, standard abbreviations and modes of citation, standard text-books, search for cases in the reports, identification of cases imperfectly cited, and use of digests. No award in 1917. Students wishing to compete must register with the Dean during the two weeks before the Christmas vacation.

Oratory. The College of Law offers a first prize of \$35 and a second prize of \$15 for the best orations to be written and delivered by the regular students of the College of Law and the College of Medicine and by regular undergraduate students who have attained junior standing in the College of Arts and Sciences. The rules and regulations governing the oratorical contest are framed by the faculty of the College of Law. It is expected that the contest will occur sometime in February. No contest in 1917.

The American Law Book Company Prize. The American Law Book Company offer as a prize for the student with the highest standing in their senior class a copy of Cyc. The competition is open to members of the second and third-year classes in the Law College. Awarded in 1917 to Hugh V. Williams.

William Jennings Bryan Prize. For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan. No award in 1917.

The Order of the Coif. The Order of the Coif, the law scholarship fraternity, the Nebraska chapter of which was established in 1904, elects not more than one-tenth of the graduating class, solely on the basis of scholarship as shown by grades attained in the required law work for the entire course. Arthur Averill Emley, Walter Raecke, and Hugh Van Duyn Williams were elected in 1916-17.

ADVANTAGES AND PRIVILEGES

Courts. The College of Law has commodious quarters in the recently completed Law Building, within a few blocks of the law offices and courts. The Supreme Court, the District Court (in three divisions), the County Court and various minor courts are almost constantly in session during the school year. In addition to the various State Courts, the District Court of the United States for the District of Nebraska holds two terms in Lincoln each year. Exceptional facilities are thus afforded the student to hear the arguments of able counsel and to become acquainted with the workings of courts.

Legislature. The student has the opportunity each alternate year of attending the session of the Nebraska Legislature, where he may observe the process and forms of legislation. The course in legislation, given as a College of Law elective, brings students who take it in close touch with the work of the legislature.

General College Privileges. A student in the College of Law may, without paying additional fees, register for not more than five hours of work in the College of Arts and Sciences. Credit in the general colleges is not applied toward the degrees of those colleges, however, unless the matriculation and other fees of those colleges are regularly paid. Students taking advantage of this rule may not change their registration in the general college or drop any of the subjects registered for therein, without paying the re-registration fee of \$.50. Subjects peculiarly suitable to law students are American history, argumentation, comparative government, constitutional history, debate, diplomacy, English institutional history, ethics, logic, political economy, political history, political science, public speaking, and sociology. For successful work in English courses, embracing debate, public speaking, English literature, and rhetoric one half time is allowed on law electives provided such work is not applied toward entrance credit or another degree.

Gymnasium. The gymnasium is open to students of the College of Law. It is in charge of experts in physical training, who advise each student as to the character and amount of physical exercise adapted to his case.

The College of Medicine

OFFICERS OF INSTRUCTION AND ADMINISTRATION IN
OMAHA

- ¹SAMUEL AVERY, Ph. D., LL.D., Chancellor of the University.
WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.
IRVING SAMUEL CUTTER, B. Sc., M. D., Dean of the College of Medicine and Professor of Biochemistry.
FLORENCE IRWIN MCGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*)
-
- WILLIAM NANCE ANDERSON, B. Sc., M. D., Instructor in Physical Diagnosis, 3212 Cuming street, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.
RAYMOND D. BALCOM, Assistant in Anatomy, Omaha.
CARL HARDIN BALLARD, M. D., Instructor in Dermatology and X-ray Diagnosis, 402 Brandeis Building, Omaha.
JOHN MONROE BANISTER, A. B., M. D., Assistant Professor of Tropical Medicine, 400 Brandeis Theater Building, Omaha (M). On leave. Colonel in Medical Reserve Corps, United States Army.
RODNEY WALDO BLISS, B. Sc., M. D., Assistant Professor of Clinical Medicine and Physical Diagnosis, 410 Brandeis Theater Building, Omaha (M).
EDSON LOWELL BRIDGES, M. D., Assistant Professor of Clinical Medicine, Omaha (M). On leave. Major in Medical Reserve Corps, United States Army.
WILLSON ORTON BRIDGES, M. D., Professor of the Principles and Practice of Medicine and Clinical Medicine, Omaha Club, 24th and Douglas street, Omaha (M).
GLADYS BUNT, Dietitian, University Hospital, Omaha.
CHARLOTTE BURGESS, Superintendent of Nurses, University Hospital, Omaha.
WILLIAM FREDERICK CALLFAS, C. M., M. D., Clinical Assistant in Ophthalmology (1914, 1914), 563 Brandeis Building, Omaha.
E. F. CAMP, Assistant in Physiology, Omaha.
BURTON WHITFORD CHRISTIE, B. Sc., M. D., Assistant Professor of Pediatrics, 330 Bee Building, Omaha (M).

¹Absent on leave from February 1 to September 1, 1918, in war service.

- FRANK MATTHEW CONLIN, M. D., Instructor in Medicine, Omaha.
- LEROY CRUMMER, B. Sc., M. D., Professor of Clinical Medicine, 16 Continental Block, Omaha (M).
- IRVING SAMUEL CUTTER, B. Sc., M. D., Dean of the College of Medicine and Professor of Biochemistry. (*Head of Department of Biochemistry*), (1915, 1911), 808 North Thirty-ninth street, Omaha (M).
- BYRON BENNETT DAVIS, A. B., M. D., Professor of Principles of Surgery and Clinical Surgery, 1502 South Thirty-second avenue, Omaha (M).
- HAROLD E. EGGERS, B. Sc., M. D., Professor of Pathology and Bacteriology, Omaha (M). On leave. Captain in Medical Reserve Corps, United States Army.
- NETTIE FITCH, Night Supervisor of Nurses, University Hospital, Omaha.
- BLANCHE R. FRANK, Assistant in Anatomy, Omaha.
- HAROLD GIFFORD, B. Sc., M. D., Professor of Ophthalmology and Otology, 563 Brandeis Building, Omaha (M).
- HELEN GODFREY, Assistant in Office, Medical College, Omaha.
- JAMES SAMUEL GOETZ, M. D., Assistant Professor of Therapeutics, 324 Bee Building, Omaha (M).
- AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology (*Head of Department of Physiology*) (1908, 1905), Omaha (M, G).
- LYMAN THOMPSON HALL, B. S., M. D., Clinical Assistant in Medicine, 3319 Harney Street, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.
- HOWARD BROWNLEE HAMILTON, M. D., Instructor in Medicine, 3319 Harney Street, Omaha.
- H. E. HARVEY, Assistant in Anatomy, Omaha.
- VINCENT CHARLES HASCALL, LL. B., Instructor in Medical Jurisprudence, Omaha.
- ROBERT RUSSELL HOLLISTER, M. D., Assistant Professor of Surgery, 4907 Davenport street, Omaha (M).
- CHARLES AARON HULL, M. D., Instructor in Surgery, 200 Bee Building, Omaha. On leave. Major in Medical Reserve Corps, United States Army.
- JOHN FAYE HYDE, B. Sc., M. D., Clinical Assistant in Surgery, 460 Brandeis Building, Omaha.

- CHARLES STANTON JAMES, M. D., Clinic Assistant in Ophthalmology, Omaha.
- ALDIS ADELBERT JOHNSON, Ph. B., M. D., Assistant Professor of Clinical Pathology (1917, 1913), 4207 Farnam street, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.
- E. D. JOHNSON, Assistant in Anatomy, Omaha.
- AUGUST FREDERICK JONAS, M. D., Professor of Practice of Surgery and Clinical Surgery, 454 Brandeis Building, Omaha (M). On leave. Lieutenant in Medical Reserve Corps, United States Army.
- MARY KENDALL, Nurse, University Hospital, Omaha.
- CHARLES REX KENNEDY, M. D., Assistant Professor of Surgery in charge of Genito-Urinary Diseases, 460 Brandeis Building, Omaha (M).
- J. A. KITTELSON, M. A., M. D., Assistant Professor in Anatomy (1917, 1917) Omaha.
- ARCHIBALD ROY KNODE, M. D., Clinical Assistant in Ophthalmology and Otology, 3130 Mason street, Omaha.
- E. J. KRAHULIK, Assistant in Pharmacology, Omaha.
- ERNESTINE LARSON, Nurse on general floor duty, University Hospital, Omaha.
- HENRY BASSETT LEMERE, M. D., Instructor in Ophthalmology and Otology, 400 Brandeis Theater Building, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.
- ADOLPH BERNARD LINDQUIST, A. B., M. D., Clinical Assistant in Ophthalmology and Otology, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.
- JOHN PRENTISS LORD, M. D., F. A. C. S., Professor of Orthopedic Surgery, 830 City National Bank Building, Omaha (M). On leave. Major in Medical Reserve Corps, United States Army.
- HARRY MONROE McCLANAHAN, M. D., Professor of Pediatrics, 1312 North Fortieth street, Omaha, (M).
- L. R. McCORMACK, Assistant in Physiology, Omaha.
- ERNEST TIBBETTS MANNING, M. D., Assistant Professor of Pathology, 409 Brandeis Theater Building, Omaha.
- ANDREW MEYER, Library Assistant, University Hospital, Omaha.
- WILLIAM FORSYTH MILROY, M. D., Professor of Clinical Medicine and Physical Diagnosis, 468 Brandeis Theater Building, Omaha (M).

NANNIE MONTGOMERY, Operating Nurse, University Hospital, Omaha.

JOHN CLYDE MOORE, JR., A. B., B. Sc., M. D., Instructor in Medicine, 429 Brandeis Building, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.

CHARLES CAMPBELL MORRISON, A. B., M. D., Assistant Professor of Surgery (1913, 1910), 846 Brandeis Theater Building, Omaha (M).

FLOYD J. MURRAY, Dispensary Druggist, Omaha.

JOHN TENNYSON MYERS, A. B., M. S., Assistant Professor of Bacteriology, (1917, 1916), Omaha (M).

JOHN RUDOLPH NILSSON, M. D., Clinical Professor in Surgery, 1006 W. O. W. Building, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.

FRANK STYLES OWEN, M. D., Professor of Laryngology and Rhinology, 471 Brandeis Building, Omaha (M).

JAMES McDOWELL PATTON, A. M., M. D., Assistant Professor of Ophthalmology and Otology, 563 Brandeis Building, Omaha. On leave. Captain in Medical Reserve Corps, United States Army.

AMOS W. PETERS, A. M., Ph. D., Assistant Professor of Biochemistry, (1916, 1916), Omaha (M).

CHARLES WHITNEY POLLARD, A. B., M. D., Professor of Obstetrics, 2962 Pacific street, Omaha (M).

JOHN BEEKMAN POTTS, M. D., Instructor in Ophthalmology and Otology. Omaha. On leave. Captain in Medical Reserve Corps, United States Army.

CHARLES WILLIAM McCORKLE POYNTER, B. Sc., M. D., Professor of Anatomy. (*Head of Department of Anatomy, Histology and Embryology*). (1916, 1905), 4010 Harney street, Omaha (M).

GEORGE PRATT, B. Sc., M. D., Instructor in Medicine, Omaha. On leave. Lieutenant in Medical Reserve Corps, United States Army.

EDITH M. PULS, R. N., Head Nurse in charge of Free Dispensary, Omaha.

MARGARET FLAVILLA QUINLAN, Stenographer and Clerk, Omaha.

MARY RICHARDSON, Technical Assistant in Pathology and Bacteriology.

- CLYDE AUGUSTUS ROEDER, M. D., Clinical Assistant in Surgery, Omaha.
- CLARENCE RUBENDALL, B. Sc., M. D., Clinical Assistant in Laryngology and Rhinology, Omaha.
- CARL FREDERICK RUSCHE, Assistant in Physiology, Omaha.
- ROBERT L. SANDS, Assistant in Pharmacology, Omaha.
- ALFRED SCHALEK, A. M., M. D., Professor of Dermatology and Syphilology, 520 Brandeis Theater Building, Omaha (M).
- ROBERT D. SCHROCK, A. B., M. D., Instructor in Orthopedic Surgery, Omaha. On leave. Lieutenant in Medical Reserve Corps, United States Army.
- LILLIAN SHELDON, Out-patient and Obstetrical Nurse, University Hospital, Omaha.
- MABELLE SHIELDS, Head Nurse, University Hospital, Omaha.
- MAURICE I. SMITH, B. Sc., M. D., Assistant Professor of Pharmacology, Omaha.
- ANDREW BARTHOLOMEW SOMERS, M. D., Emeritus Professor of Obstetrics, Omaha (M).
- ARTHUR CHARLES STOKES, B. S., M. D., Associate Professor of Clinical and Experimental Surgery, 503 Brandeis Building, Omaha (M). On leave. Major in Medical Reserve Corps, U. S. Army, and Director of Nebraska Base Hospital, Unit No. 49.
- JOHN EDWARDS SUMMERS, M. D., Professor of Clinical Surgery, 618 Brandeis Theater Building, Omaha (M).
- WILLIS HARVEY TAYLOR, B. Sc., M. D., Instructor in Obstetrics, Omaha.
- AMOS THOMAS, LL. B., Instructor in Medical Jurisprudence, 905 Omaha National Bank Building, Omaha. On leave. Major, Commanding Officer First Battalion Military Police.
- CHARLES CREIGHTON TOMLINSON, M. D., Instructor in Dermatology, Omaha.
- SOLON RODNEY TOWNE, A. M., M. D., Emeritus Professor of Hygiene and State Medicine, Omaha.
- MYRA TUCKER, Teacher Nurses Training School, University Hospital, Omaha.
- CHESTER HILL WATERS, B. Sc., M. D., Instructor in Pathology, 1511 Capital avenue, Omaha.
- WILLIAM PENALUNA WHERRY, M. D., Instructor in Laryngology and Rhinology, 471 Brandeis Building, Omaha.

HARRISON ALONZO WIGTON, B. Sc., M. D., Instructor in Nervous and Mental Diseases, 1820 Vinton street, Omaha.

MARY WILCOX, Nurse, University Hospital, Omaha.

WILLIAM ALBERT WILLARD, Ph. D., Professor of Anatomy (1916, 1902), 4012 Harney street, Omaha (M, G).

HARRIETT WILSON, Librarian of the Medical College Library, Omaha.

G. ALEXANDER YOUNG, M. D., Professor of Nervous and Mental Diseases (1917, 1917) Omaha.

Committees of the Faculty

Advanced Standing and Delinquency—Dr. Poynter (Chairman), Dr. Willard, Dr. Cutter.

Clinical Teaching—Dr. Cutter (Chairman), Dr. Findley, Dr. Jonas, Dr. W. O. Bridges, Dr. Crummer.

Course of Study, Catalog and Schedule—Dr. Guenther (Chairman), Dr. Peters.

Scholarships and Research Prizes—Dr. Gifford (Chairman), Dr. J. E. Summers, Dr. Milroy.

Student Activities—Dr. Johnson (Chairman), Dr. Christie, Dr. Anderson.

Convocations—Dr. Bliss (Chairman), Dr. Patton, Dr. Lord.

Library—Dr. Stokes (Chairman), Dr. Gifford, Dr. Davis.

Summer Session—Dr. Willard (Chairman), Dr. McClanahan, Dr. Kennedy.

Graduate Work—Dr. Eggers (Chairman), Dr. Poynter, Dr. Pilcher.

Dispensary—Dr. E. L. Bridges (Chairman), Dr. Johnson.

Publications—Dr. Wherry (Chairman), Dr. Aikin, Dr. Hollister.

OFFICERS OF INSTRUCTION IN LINCOLN

RUFUS ASHLEY LYMAN, A. M., M. D., Dean of the College of Pharmacy and Professor of Physiology and Pharmacology.

FRANKLIN DAVIS BARKER, Ph. D., Professor of Medical Zoology and Parasitology.

ELSIE DAY, A. B., Ph. G., Assistant Professor of Pharmacognosy.

HERBERT E. EASTLACK, Ph. D., Associate Professor of Chemistry.

RAYMOND JOHN POOL, Ph. D., Professor of Botany.

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics.

JAMES FRANKLIN STEVENS, A. M., M. D., Professor of Introductory Medicine.

FRED WILBERT UPSON, Ph. D., Professor of Chemistry.

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology.

GENERAL INFORMATION

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and had experienced strong and steady growth. As an integral part of the University, and gathering strength from that connection, the College has gone rapidly forward. The requirements for entrance have been raised step by step, keeping pace with those of the better class of medical colleges, and now are on a plane generally recognized as the highest practical for colleges, the primary aim of which is the training of practicing physicians.

The work of the first two years up to 1913 was carried on at Lincoln. There the laboratories of the University, directed by well trained and experienced teachers, who devoted their entire time to instruction, and with equipment adequate for thoro instruction in the laboratory subjects of the medical course, furnished a preparation which was a substantial basis for the clinical work. The work of the last two years was done in Omaha, where are afforded clinical facilities more than ample for all purposes of undergraduate medical instruction.

The State Legislature of 1909 appropriated funds with which to purchase a site for the medical campus in Omaha and the Legislature of 1911 voted another appropriation of \$100,000 for a laboratory building on this campus.

The Legislature of 1915 appropriated the sum of \$150,000 for the erection of a teaching hospital on the campus of the College of Medicine at Omaha. This building was fully equipped and ready to receive patients August 1, 1917. The building thus provided is strictly a teaching hospital. One hundred fourteen beds divided among various services are available for clinical teaching.

STANDING

The College of Medicine meets the requirements of the most exacting state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. The Royal Colleges of Physicians and Surgeons in England has added the University of Nebraska to the short list of American institutions whose Graduates in Medicine, may on production of the required certificate of study, be admitted to the final examination before the Examining Board in Medicine, Surgery and Midwifery, which places them on the same basis as graduates of the best English colleges. This recognition is of especial interest to those students who are planning to take up work in foreign lands as medical missionaries.

METHODS OF INSTRUCTION

The course of study in medicine covers six years, there being in each of the years thirty-four weeks of class work exclusive of all registration and examination days. During the present war emergency the work of the junior and senior medical years is being carried on through the twelve months with no summer vacation period. During the first four years those laboratory sciences are pursued which form the basis for the clinical studies of the last two. The objective method is followed, not only in the laboratories, but also in the clinical instruction, where constant reference is made to the facts acquired from laboratory work in the fundamental branches. Emphasis is in all cases placed on individual effort on the part of the student, of whom is required work as independent as is consistent with the further demand that he thoroly cover the field.

In the continuous session plan already adopted for the junior and senior classes, the College of Medicine is endeavoring to meet the demands of the Government for a "speeding up" of medical classes. If conditions demand, this continuous session plan may be adopted later for freshman and sophomore classes.

The course embraces also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in laboratory and clinic. Frequent quizzes and examinations test the student's progress in each line of work.

The College affords unique opportunities for the most thoro instruction. The moderate size of the classes insures close contact between student and instructor, which is of the utmost importance in securing an exact knowledge of the fundamental branches. The sectional method of clinical work also brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroly and at short range, and allows him to secure a very unusual amount of bedside instruction.

The student is urged to add to his preparation an additional year taken as an interne in some hospital, or spent in some laboratory, and provision is made whereby the student may secure on the completion of this year a second degree—Doctor of Medicine *cum laude*. This additional clinical year is optional.

ADMISSION TO THE UNIVERSITY AND COLLEGE OF MEDICINE

Credentials which are accepted towards admission to the University became the property of the University and are kept permanently in

the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the schools are included in the colleges).

Admission may be (1) to freshman standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary school which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary School, and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing must be presented in the following subjects for the amount indicated; the time element as indicated below is essential.¹

Required Subjects	Points
English	4
History (European) (a)	2
Language (foreign) (b)	6 to 4
Mathematics (algebra and geometry) (b)	4 to 6
Science (laboratory)	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with minimum of four points in either. Greek or Latin is recommended.

ADMISSION TO ADVANCED STANDING

Admission to the freshman class of the College of Medicine must be complete. For complete admission applicants must present sixty hours² of college work including physics, 8 hours (or 6 hours with two points high school credit); biological sciences, 8 hours (including vertebrate anatomy); chemistry, 12 hours; a modern language, 10 hours (German or French); English Composition and Literature, 6 hours, and 30 entrance points³ properly distributed. Work from another institution presented to meet the above requirement of College work will be evaluated as indicated below.

¹Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours elective credit and only in chemistry, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French, Greek and Latin, and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

²An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

³An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Applicants for admission from other universities or colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission to freshman standing. In case of failure to maintain a good cant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at least thirty-six of the two hundred and four hours required for graduation.

In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the M. D. degree to holders of a bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college.

The granting of subject credit is at the discretion of the head of each department, subject to the meeting of such conditions or the passing of such examinations as he may with reason impose. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the head of any department has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the student of this College, and in case the work is not equal to such requirement the deficiency stands against the student as a "condition" till removed.

Advanced credit in addition to that presented when admission is

granted, to be accepted must be submitted for approval within one year from the date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for admission to freshman standing. No person is permitted to abuse the privilege of registering as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

COMBINED ACADEMIC AND MEDICAL COURSES

COURSE LEADING TO THE DEGREES OF B. SC. AND M. D.—By the use of the laboratory subjects of the third and fourth years of the medical course as electives in his collegiate course the student is enabled to receive, at the end of four years, the degree of Bachelor of Science and at the end of six years that of Doctor of Medicine. This, however, can only be accomplished by following exactly the course as outlined below, substitution being permitted rarely and under conditions where insistence upon the strict enforcement of the requirements would cause evident injustice. Any student failing to meet these requirements can secure his B. Sc. degree only by meeting the group requirements of the College of Arts and Sciences.

ORDER OF SUBJECTS IN THE SIX-YEAR COMBINED COURSE

	1st Semester Hours	2d Semester Hours
FIRST YEAR		
Chemistry 3, 4.....	3	3
Zoology 13, 14.....	3	3
Rhetoric 1, 2.....	2	2
Modern Language	5	5
Pharmacy 26.....		2
History of Medicine.....	1	
Electives	2	
Military Science (men), Physical Education		
(women)	1	1
	—	—
	17	16
SECOND YEAR		
Physics 11, 12.....	3	3
Botany 1, 2.....	3	3
Chemistry 31.....	5	
Zoology 25, 22.....	3	5
Electives	2	2
Military Science (men), Physical Education		
(women)	1	1
	—	—
	17	14

Students entering without conditions but without two entrance points in chemistry take Chemistry 1 and 2—5 hours each.

All students spending three years at Lincoln are urged to take psychology (Philosophy 1 and 2) in the third year of their course.

Students registered in the College of Pharmacy for degrees in pharmacy but who wish to study medicine later, may arrange their courses so they can complete the work required for entrance to the study of medicine while pursuing the courses in pharmacy.

COURSE LEADING TO THE DEGREES OF A. B. AND M. D.

A student registering for the degree of Bachelor of Arts may arrange a course similar to the course leading to the degrees of B. Sc. and M. D. by the same use of his electives, but he will find it necessary to spend seven years to meet the requirements for the Bachelor of Arts degree and to secure, at the same time, the scientific training required for the degree in medicine.

A student entering this University from another in which is offered a six-year combined course substantially equivalent to the one here

outlined, may be registered in this course, on presentation of properly authenticated credentials showing the satisfactory completion of all requirements imposed by the institution from which he comes up to the time of his transfer.

COLLEGE DEGREES BY ARRANGEMENT WITH AFFILIATED COLLEGES

By an arrangement with the faculty of Nebraska Wesleyan University and of Doane College students who have completed the two-year pre-medical College Course offered by these institutions will be granted the B. Sc. degree by the respective faculties upon completion of the third and fourth years of Medicine offered by the University of Nebraska.

A similar arrangement is pending with other colleges of which definite announcement will be made later.

THE UNIVERSITY YEAR

The regular session of the University embraces thirty-nine weeks, beginning the second Wednesday after the first Monday in September, and is divided into a first and second semester. A summer session of eight weeks immediately follows the close of the second semester class work. Instruction is offered from September to August.

Registration. Certain days at the beginning of each semester are allowed for registration. To promote prompt registration, a fee of \$3.00 is charged any student who, unless excused by the Dean, seeks to register outside of these days. A fee of fifty cents is charged for re-registration when made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration. A student taking the college work required for entrance to the College of Medicine matriculates and registers in the College of Arts and Sciences until the necessary amount of college work is completed. A student taking the combined six-year course for the degrees of Bachelor of Science and Doctor of Medicine matriculates and registers only in the College of Arts and Sciences during the first two years of his work. He continues to register in the College of Arts and Sciences during the next two years, or until he receives his B. Sc. degree; but he must also matriculate and register in the College of Medicine at the beginning of the third year's work and must register regularly thereafter in the College of Medicine. If he is a candidate for the A. B. degree, he must begin to register also in the College of Medicine not later than the beginning of the fourth year of his course, as at least four years' registration in a college of medicine is required of all who receive the M. D. degree. No

regular student is registered for less than twelve (12) hours a semester without the Dean's permission, nor under any condition for more than eighteen (18) hours. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the Dean. Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration. Any change in a student's residence must be immediately reported to the Dean.

REQUIREMENTS FOR THE SATISFACTORY COMPLETION OF A COURSE

The satisfactory completion of a course will be determined by the instructor in charge of the subject thru examinations and other records of a student's work. In order to pass in a course a student must comply with the following requirements:

1. He must have attended at least 80 per cent of the scheduled lecture and recitation appointments in the course, and 85 per cent of all scheduled laboratory hours.

2. He must receive a final grade of at least 70 per cent in third and fourth year subjects, and at least 75 per cent in fifth and sixth year subjects.

A course, which for a good reason has not been completed, may, if of passing grade, be marked incomplete, "I." This "I" must be removed within one year otherwise the "I" becomes a condition, "C."

REMOVAL OF DELINQUENCIES

A student who does not pass a course, provided the final grade is not below 60 per cent is "conditioned" in that course and is entitled to a re-examination at the next supplementary examination period. For a supplementary examination a fee of \$1 in each subject shall be paid. If by reason of illness or other extraordinary circumstances he does not appear at the time set for supplementary examinations, the faculty may by vote permit him a special examination. For such special examination a fee of \$2 in addition to the ordinary supplementary examination fee shall be paid.

A student conditioned in one or more lecture, recitation or laboratory courses at the end of either semester, shall be allowed until the following September supplementary examinations for the removal of his condition.

If a student falls below 60 per cent, or if he does not pass the supplementary examination he is "failed" in the course, and shall not have the privilege of a re-examination until after repeating the course in which he failed.

With the permission of the instructor in charge, attendance of vacation courses in this school or in courses at other institutions or private instruction by a member of the teaching staff may be accepted in place of attendance at the regular classes.

If a student fails, after repeating a course as provided in the foregoing paragraph, then he shall have no further privileges of instruction or examination in this school, unless by special vote of the faculty.

No student coming from another school will be allowed any privileges in this school which would have been denied him in the school which he leaves.

Absence or Withdrawal. The Dean of the College of Medicine is the Adviser of all students in the College of Medicine. He has a consultation hour, when students may call seeking advice touching their work. A leave of absence for a short time may be granted a student by the Dean of his College. This is merely a justification for absence and not an excuse from any work. Students not previously excused must make request for excuse for absence within two weeks from the time the absence ceases. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Dean grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is granted only under the following conditions:

1. The candidate must be twenty-one years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission.
4. He must have pursued the study of medicine for at least four years and must have passed the necessary examinations and have received credit for at least four full years of instruction at medical colleges in good standing. The last year he must have taken in this institution.

GRADUATE WORK

Graduate work of two types is offered in the College of Medicine.

- (1) Advanced study and research in one or more of the laboratory departments by students holding baccalaureate degrees from this institution or from some other university or college. Such study may lead to the degree of Master of Arts or of Doctor of Philosophy and may be carried at the same time in a lengthened period of residence as part

work in the regular medical schedule. The departments offering this work are included in the Graduate College of the University, the general requirements of which must be met by all candidates for these degrees.

(2) Work of a clinical character by graduates in Medicine serving internships or by graduates in Medicine working under direct faculty supervision. Such work may lead to the degree of Doctor of Medicine *cum laude* under the following conditions laid down by the faculty of the College of Medicine; the candidate must apply at the beginning of his internship or at least one year before he expects to come up for such degree; his work shall consist of original clinical data or experimental work together with general reading and critical survey of the literature bearing on his special subject, and shall be embodied in a typewritten thesis which, if accepted, shall be deposited in the Medical College library; the subject and preliminary outline of the work shall be approved by the faculty committee on graduate study, and thruout the year the work shall be under the supervision of two advisers appointed by the committee with the condition that one shall be a member of the laboratory faculty and the other (if candidate is an interne) the chief of staff of the hospital in which interne is serving; the final acceptance of the thesis shall be by unanimous vote of the faculty and only after its recommendation by the advisory committee and after an opportunity for its inspection by all members of the faculty.

FEES AND EXPENSES

All fees excepting the diploma fee are payable in advance, to the secretary of the College. No fees can be refunded to a student after the beginning of the fourth week from the date of his registration, save for causes beyond the student's control; in the latter case the refund can only be made upon written application to the Dean. The application must state the reason and be presented at the time of withdrawal from a course or the college. The scheduled fees in the College of Medicine are as follows:

Matriculation fee (charged once only for each degree)	\$5
Diploma fee.....	5
Diploma fee, absentia, additional	10
Diploma, " <i>cum laude</i> ," fee.....	10

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

THIRD YEAR

Tuition, first semester.....	\$65.00
Tuition, second semester.....	60.00
Breakage fee	10.00

THE UNIVERSITY OF NEBRASKA

FOURTH YEAR

Tuition, first semester.....	\$60.00
Tuition, second semester.....	60.00
Breakage fee	10.00

FIFTH YEAR

Tuition, first semester.....	\$55.00
Tuition, second semester.....	55.00
Incidental fee.....	10.00

SIXTH YEAR

Tuition, first semester.....	\$55.00
Tuition, second semester.....	55.00
Incidental fee.....	10.00

(Unused portion of breakage fee is returnable.)

For elective courses requiring laboratory space, apparatus and material, an extra fee will be charged. This fee will be by agreement between the student and the head of department, and is based on the amount of material required. Special course fees or the fees of students taking part-time work shall be pro-rated on the basis of the number of hours of work. In no case shall the fee be more than fifteen cents for each hour of work. The minimum fee, however, is \$10.00. Breakage in the laboratory and damage to the College property will be charged to the individual or class responsible. In case the responsibility for the damage cannot be placed it will be charged to the class pro-rata.

EXPENSES

Board may be obtained in the vicinity of the College building at an average of \$4.00 per week. Comfortable rooms for individuals cost from \$6.00 to \$10.00 a month. Students rooming together may by this means obtain comfortable rooming quarters at approximately \$7.00 per month each. The average total cost of the students for the school year, exclusive of books and instruments, but including all fees, is between \$385 and \$400. Many students expend more than this, some expend much less. Students should provide an allowance of \$50 per annum for books and instruments.

The Young Men's Christian Association offers to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the Association Building. In a city the size of Omaha there are many opportunities for the students to defray a part of their expenses. The College of Medicine does not, however, guarantee employment. Thru the Young Men's Christian Association, the Omaha Commercial Club and other agencies, employment has been and will continue to be obtained for a certain number of students.

GENERAL AND DEPARTMENTAL STATEMENTS

The ground floor of the laboratory building containing a large locker room with a steel locker for each student, adjoins a lounging room and a room provided with shower baths. The women students have also been provided with an attractive rest room with cloak rooms adjoining.

This floor also accommodates the private laboratories of the department of pharmacology, the operating room for animals, postmortem and preparation rooms, room-size incubator and refrigerator, the office of the College paper, "The Pulse," and various store rooms.

Direct current for arc lights for photomicrography and the projection lanterns is provided by a motor generator set installed in the engine room.

LABORATORY FACILITIES

Anatomy

The Department of Anatomy occupies the entire fourth floor of the laboratory building. The ventilation is perfect and the lighting is ideal, being supplied by side windows and large north sky-lights. The gross anatomy is carried on in sections in unit rooms designed to accommodate eight students. This arrangement avoids the noise and distraction incident to the grouping of large numbers of students together. Each unit room has an asphalt floor fitted with drain to permit flushing and a sanitary wash-bowl with hot and cold water supply; large black boards, movable dissecting tables and study tables complete the equipment. The State provides adequate material for dissecting purposes and the osteological collection provides each student with the loan of a half skeleton.

The laboratory for microscopical anatomy is planned with special reference to the student's convenience. Each student has an individual desk which faces the north light and is provided with reagent drawers and microscope locker; gas and artificial light are available at each desk when needed. A large individual loan collection in both histology and embryology conserves the laboratory time and insures the opportunity for study of many preparations which are not available for routine work. Binocular dissecting microscopes are used to bridge the gap between macroscopic and microscopic study.

Adjoining the general laboratories of the department are the offices of the department, research and technic rooms, a photographic dark room and a quiz room provided with a projection lantern.

The equipment in special preparations, models and charts is very complete and the library possesses all of the important journals on anatomy and allied subjects.

Biochemistry

The Department of Biochemistry occupies part of the south wing of the third floor. The students' laboratory is equipped with soap-stone-top chemical desks and hoods communicating with the general air exhaust of the building operated by a powerful blower. A balance room is provided for exact weighing. A room is equipped for combustion calorimetric and Kjeldahl work. A special research laboratory, equipped with apparatus, such as colorimeter, thermostat, barometer, automatic burettes, electric stoves, etc., is available for advanced work.

Pharmacology

For the student work in experimental pharmacology this department shares the large student laboratory of physiology. Ample equipment is provided. The chemical and pharmaceutical work of the student is carried on in the chemical laboratory. The equipment of the department includes a materia medica outfit for student study. Satisfactory private laboratories for the experimental work of the department are provided and are well equipped for work in progress.

Pathology

The department occupies all of the second floor. The lecture room on this floor is used for clinical lectures and recitations as well as by the department. There are two large teaching laboratories, one for the bacteriology and general pathology of the sophomore year and one for the clinical and special pathology of the junior year. Each student is supplied with a microscope, with oil immersion objective and with such other apparatus and materials as are needed for the complete work of the various courses.

Physiology

The laboratories of physiology consist of a main laboratory, 20 by 52 feet, giving ample accommodation to thirty students at any one time. A separate table with lockers and drawers is provided for each pair of students. Adjoining the main laboratory is a room, 20 by 20 feet, for mammalian experimentation which will accommodate eight students. For private work, for research, for special experiments and for other purposes there exists a series of seven additional rooms having a combined floor space one and one-half times that of the main laboratory. They serve as offices and private laboratories for the department staff. One is a work shop, another an instrument room and one is used for photographic work. All the rooms are supplied with hot and cold water, gas, electricity, heat, ventilation, etc.

The equipment for carrying on the work consists of the ordinary class apparatus, kymographs, induction coils, moist chambers, levers,

tambours, clocks, signals, animal boards, circulation schemes, electrometers, manometers, rheocords, tuning forks, glass-ware, chemicals, drugs, etc.

The more important of the special pieces of apparatus are a Jaquet and Dudgeon sphygmograph, Erlanger and Faught sphygmomanometers, hemacytometers and hemoglobinometers, Beckmann apparatus for freezing-points, Staudinger balance, Weston mil-ammeter and millivoltmeter, an artificial respiration machine, motors, centrifuge, gas measuring apparatus, mercury-pump, reflectoscope, mycardiograph, ophthalmometer, etc. Particularly worthy of mention are a Cambridge string-galvanometer and appurtenances for electrocardiographic work and a Rivett eight-inch precision lathe.

A conference room for class quizzing, etc., is shared with other departments.

CLINICAL FACILITIES

The University Hospital

The University Hospital provided by the Legislature of 1915 has placed the clinical teaching on a strictly University basis. Correlation between clinical departments and between the clinical and laboratory branches of teaching is made possible. A sufficient number of beds has been provided to assure a wide variety of cases. The entire control of the hospital rests with the Board of Regents, and it will be their object to provide the most efficient care for all worthy sick who may be received as patients.

University Free Dispensary

Clinical cases come to the College of Medicine from over the state of Nebraska and from western Iowa, tho the Free Dispensary draws by far the larger number. This is particularly true since the College of Medicine has become an integral part of the University of Nebraska and is endeavoring in a measure to realize its obligation to the State. The hospitals mentioned in this catalog, affiliated with the College of Medicine, have shown a most gratifying willingness to receive these patients thus rendering the cases available for clinical teaching. The College of Medicine of the University acknowledges its obligation to the affiliated hospitals of Omaha.

The University Free Dispensary is located at 1716 Dodge street, in the center of the thickly populated downtown district. This dispensary was equipped during the summer of 1913, and opened for the reception of patients, September 15, 1913. Separate services were established in the following subjects: internal medicine; surgery; eye, ear, nose, throat; pediatrics; gynecology, obstetrics; dermatology and genito-urinary; drug room and laboratory. Each service has its own rooms

and equipment, and the entire dispensary is in charge of a trained nurse and an assistant. In addition to the regular dispensary services there has been established an out-patient department which is rapidly growing in importance. Thru calls received from the Visiting Nurses' Association and the Associated Charities of the City of Omaha, many out-patients are cared for. These calls are answered first thru the department of medicine and then assigned to other departments as the case demands. The University has access to the Union Pacific Dispensary where much valuable experience is gained in the treatment of fractures and minor injuries. The total number of dispensary cases cared for during 1915 was 12,545, a monthly average of 1,045, as compared with a monthly average of 867 for the preceding year.

The Wise Memorial Hospital

This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick and iron construction, and is modern in every respect. There are eighty beds, a separate obstetric and children's ward, and two well equipped operating rooms. Two internes are chosen from the graduating class each year for a service of one year. The laboratory is equipped with the apparatus necessary for clinical examinations. The location is within the down-town hospital district. The percentage of charity days in the Wise hospital is high, insuring a large amount of clinical material.

The Nebraska Methodist Hospital

The Nebraska Methodist Hospital, received 2,784 patients last year, of which number fully one-third were free patients. In this hospital the University of Nebraska College of Medicine has exclusive clinical privileges. The hospital contains 140 beds and is a new, commodious, fire-proof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement. It contains an operating pavilion and amphitheater seating about 100 students and is furnished with the best appliances known. At this hospital weekly clinics are held thruout the session for the advanced class in surgery, internal medicine, ophthalmology, otology and neurology. From the graduating class four internes are selected for a year's service each, with provisional opportunities for extended work.

The Child-Saving Institute

The Child-Saving Institute situated across the street from the College of Medicine occupies a modern building erected on land purchased by the University. Its clinical privileges belong exclusively to the College of Medicine and are invaluable to the Department of

Pediatrics for work in clinical pathology and the general management and feeding of infants. There are from sixty to seventy-five children constantly at the Institute and all are under the direct supervision of the Department of Pediatrics.

The Immanuel Hospital

In the Immanuel Hospital this College has exclusive clinical privileges. The hospital is well arranged and thoroly equipped for the application of scientific methods to the treatment of disease. The hospital has 120 beds housed in two buildings, one of which is new and thoroly modern. The hospital laboratory is open to students detailed to work out clinical cases. Two operating rooms provide for simultaneous clinics in general and special surgery. Two internes are selected from each graduating class to serve one year. Opportunity is given them for special research work.

The Douglas County Hospital

The Douglas County Hospital, which is located within ten minutes' walk of the College building, cost \$200,000 and accommodates over 300 patients. The hospital includes a maternity pavilion, an insane department and there has lately been added a pavilion for the modern treatment of cases of tuberculosis. This institution is in reality the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this college have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in surgery, medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians are appointed each spring for a term of one year.

The Clarkson Memorial Hospital

The Clarkson Memorial Hospital, a modern building, located at Twenty-first and Howard streets was occupied in the spring of 1909. It is a thoroly modern hospital building, and has seventy beds and two operating rooms. The hospital affords opportunities for two internships. Clinics are held in gynecology, obstetrics, surgery and medicine.

The Swedish Mission Hospital

The Swedish Mission Hospital, located at Twenty-fourth and Pratt streets, has a capacity of forty-five beds. The operating room has recently been remodeled and is modern in every way. A well equipped laboratory is at the disposal of the staff. An X-ray apparatus has been installed, and is used for diagnostic and therapeutic purposes. Special medical and surgical clinics are held here by appointment. Two internes are appointed each year from the graduating class.

The City Emergency Hospital

The City Emergency Hospital located at 912 Douglas street contains fifty beds and is used primarily for contagious diseases. Thru the City Health department, the students in medicine and in pediatrics are enabled to study carefully a large variety of cases of scarlet fever, erysipelas, measles and diphtheria. Smallpox cases are seen at the Isolation Hospital, also under City control. Clinics are held at these institutions whenever desired.

CLINICAL CLERK SERVICE

Beginning with September, 1914, the senior class, in sections, was placed on clinical clerk service in several hospitals. This service is in addition to the scheduled clinics. The seniors perform the work of the interne while on service and have his assistance and co-operation as well as the direct oversight of the attending staff members. Clinical clerk services rotate in the various hospitals—four months are required of each senior.

HOSPITAL APPOINTMENTS

The Glenwood Institution for Feeble Minded Children affords a salaried internship for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed each year. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year: four at the Nebraska Methodist Hospital; two at the Immanuel Hospital; two at the Clarkson Memorial Hospital; two at the Wise Memorial Hospital; and one at the Swedish Mission Hospital.

Graduates of the College secure positions each year in high grade hospitals in other states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions. The proportionate number of these positions open to the College will be seen to be far beyond that open to the majority of medical colleges. Under present conditions all capable students desiring hospital training may obtain the inestimable advantage of a year's hospital service before entering upon private service.

PUBLIC HEALTH

The College of Medicine as a state institution recognizes its duty to the state in all matters pertaining to the public health. The College stands ready to supply expert advice in co-operation with the state and local departments of health on general health conditions within the state. From time to time bulletins on general health topics, epidemic diseases, etc., are issued. Members of the faculty of the College of Medicine are frequently called upon and will respond whenever possible

for addresses on medical subjects which are of general interest. These addresses will be available for Teachers' Associations, Women's Club Meetings and the like.

The University College of Medicine is keenly alive to the possibilities which lie within the general theme "Conservation of Public Health" and every effort is made to bring important advances along the lines of better living before the people.

BULLETINS ON PUBLIC HEALTH

The Conservation of Public Health Series is issued quarterly by the College of Medicine. These issues consist of bulletins on public health topics and so far have related to the Hygiene of the Child. Titles of the bulletins issued are as follows:

- Number 1. Hints on Home Nursing for Babies.
 - Number 2. Everyday Facts about Tuberculosis, Typhoid and Cancer.
 - Number 3. Hygiene of the Child—Colds, Whooping-cough, Measles.
 - Number 4. Hygiene of the Child—Eyes, Ears, Nose.
 - Number 5. Hygiene of the Child—Scarlet Fever, Diphtheria.
- Copies of these bulletins will be sent to any address upon request.

LIBRARIES AND SOCIETIES

The College of Medicine Library, in Omaha, contains about 15,000 volumes particularly strong in those scientific lines wherein lie the last four years' work of the student of medicine. There is included a collection of text books covering the entire range of medical science. This does not obviate the necessity of students having their own text books, but offers opportunities for additional reading and study in subjects in which they are specially interested. A splendid collection of periodical literature is also on file. One hundred and thirty standard scientific periodicals are on the regular subscription list. There are also about 10,000 classified medical pamphlets, theses and reprints.

As additional sources of medical information may be mentioned the medical library of the Omaha-Douglas County Medical Society of 2,000 volumes and the library of the State Medical Society consisting of approximately 1,500 volumes of which the College of Medicine is custodian.

The University Library, in Lincoln, containing over 134,000 volumes is freely accessible to students and faculty in Omaha. Books may be withdrawn at any time upon demand. Likewise thru the University librarian at Lincoln it is possible for short periods to draw upon the resources of the John Crerar Library of Chicago or the Surgeon General's Library at Washington. The State Library of 73,340 volumes at the State Capitol and the Nebraska State Historical Society Library

of 64,250 volumes include valuable medical works in certain lines; series of public documents such as reports of state boards of health and of state hospitals and other institutions.

The **Alumni Association** of the University of Nebraska College of Medicine maintains an active organization with headquarters in Omaha. The Association numbers about five hundred members. The officers are Dr. W. N. Anderson, President; Dr. W. L. Douglas and Dr. I. Trostler, Vice-Presidents; and Dr. Roy A. Dodge, Secretary and Treasurer.

The Alumni Association has general charge of the Clinical Review Week held at the College of Medicine in Omaha during October of each year.

Medical Student Fraternities. Nu Sigma Nu, Phi Rho Sigma and Phi Chi have active chapters and each maintains a chapter house.

The **Medical Sorority** is Nu Sigma Phi.

Alpha Omega Alpha. Nebraska Alpha Chapter of Alpha Omega Alpha, the medical honorary fraternity, is located at the University of Nebraska College of Medicine. Election to membership in this society occurs at the end of the first semester, sixth year, and is based upon the scholarship record of the last four years of the medical course.

Pre-Medical Society. A large pre-medical society has existed for a number of years among the students in the pre-medical courses at Lincoln. This society meets monthly for an informal evening at which time addresses are made by members of the faculty. Usually some member of the clinical faculty from Omaha is in attendance.

Clinical Review Week. A week of review clinics was inaugurated in the fall of 1910 and has since been an annual function of the Alumni Association and the College of Medicine. The attendance among the Alumni usually exceeds one hundred. The forenoons are devoted to clinics and the afternoons to round-table discussions. The value of this review week to the busy practitioner can hardly be over estimated.

Convocations. During the year 1916-1917 the Convocation Committee arranged a series of addresses by prominent medical men. Those scheduled for 1916-1917 included the following:

Dr. John F. Binnie of Kansas City—"Preparation for the Study of Medicine."

Prof. L. H. Pammel, Ames, Iowa—"Botany and Its Relation to Medicine."

Dr. Mortimer Herzberg, State Laboratory of South Dakota—"State Sanitation."

Dr. F. A. Long, Madison, Nebraska—"The Ideal Physician."

Dr. J. P. Sedgwick, University of Minnesota—"Infant Feeding."

Dr. Charles J. Rowan, University of Iowa—"Bone Surgery."

Dr. H. J. Prentiss, University of Iowa—"The Position of the Adult Heart from the Viewpoint of Development."

THE COLLEGE PAPER—"THE PULSE"

Several years ago the students of the Omaha Medical College, then in affiliation with the University of Nebraska, decided that they needed some medium of expression of the vigorous life of the school. Consequently they began the publication of a school paper known as "The Pulse."

The paper, "Representing the Students, Alumni and Faculty of the University of Nebraska College of Medicine," gives twenty-four pages of interesting reading.

MUSEUM

The pathological museum of the College of Medicine contains about 2,500 specimens and is accommodated in cases built to fit the wall space of the corridor of the main floor. The specimens have been entirely re-classified and remounted in flat jars, in order that they may be readily demonstrated and handled. Nearly every variety of pathological lesion is represented and fresh material is regularly received from the affiliated hospitals. From the autopsies performed by the staff, averaging fifty per year, much valuable material is also obtained; this is permanently mounted. In the arrangement of the specimens it has been the aim to make the museum an important and necessary adjunct to the teaching not only of pathology but also of clinical medicine.

The anatomical museum, consisting of models, charts and mounted specimens, is housed in the quarters of the department of anatomy, where it is readily accessible to the students of the department.

DISPENSARY STAFF MEETINGS

The Dispensary Staff is divided into service groups each group having its own chairman. These groups meet to discuss dispensary problems on the call of the chairman who is responsible to the College for the success of his particular service. At these meetings dispensary cases are reported and discussed and plans looking toward improvement are brought forward.

JOURNAL CLUB

The members of the Laboratory Staff at the building conduct Journal Clubs which meet at various times.

STUDENT LOAN FUND

Hon. John R. Webster, of Omaha, Dr. John Alexander Low Waddell, of Kansas City, and Hon. William Gunn Whitmore, of Valley, have

given the sum of \$1,000 each to be used as a permanent loan fund for students needing assistance. The interest received from the loaning of this money goes to increase the fund. Application blanks and the full rules for administration may be obtained at the office of the Secretary. Loans will be made only to students in need of assistance, who have been matriculated for at least one full year. Upper classmen will be given preference in the making of loans. The moral character of the applicant, his habits of temperance and industry, and his assiduity and success in his studies will also be determining factors. The amount loaned to one student will, except in extraordinary cases, be limited to \$100 per semester. The note given by the borrower will bear six per cent interest, payable annually; the loan is to be wholly repaid two years after the student graduates or withdraws from the University.

SCHOLARSHIPS

Scholarships are awarded in the various departments in return for students' assistance. Application for scholarship should be made to the Dean or heads of departments.

PRIZES FOR RESEARCH WORK

A friend of the College of Medicine has offered the following prizes:

For Any Student—For the best piece of original work, clinical or experimental, \$50.00. For second best, \$25.00.

For Members of Clinical Faculty—For the best piece of original work, clinical or experimental, \$100.00. For second best, \$50.00.

Rules governing the submitting of theses are on file in the office of the Dean.

THE ARRANGEMENT OF THE COURSES OF STUDY

In framing and adopting the present curriculum certain definite principles were relied upon for guidance.

1. That in the sequence of studies, in the total number of hours devoted to each subject and in the relative time devoted to laboratory, hospital and class work the experience of some of the leading medical schools of the country, as revealed in their respective catalogs, would furnish an impersonal standard.

2. That the various courses of study in the curriculum possess such characteristics that it is not desirable that all should be handled alike. That, whereas, in some subjects intensiveness and concentration are desiderata, in others greater efficiency is gained by covering the ground more slowly.

In chemistry and physiology where experimental procedures call for uninterrupted consecutive hours for the completion of an experiment the maximum of blocking has been adopted. In histology a whole day at the microscope constitutes too great a strain on the eyes so that histology divides the day with work of a different type. The blocking is most thoroughgoing in the earlier portions of the curriculum. In the clinical years it has been found of considerable advantage to block both lectures and clinics. Many subjects requiring eighteen lectures are given to greater advantage by three lectures per week for six weeks rather than one lecture per week over the entire semester. Subjects ordinarily given by means of two didactic hours per week are now accorded four didactic hours over half the time.

A third principle governing the construction of the curriculum is that it must be elastic in order that it may rapidly with little friction adapt itself to growth in medical teaching. For this purpose correlation between adjoining subjects is left to the heads of departments and to the Dean who will reduce to a minimum unnecessary overlapping and arrange for the sequential presentation of subject matter.

To meet the differences in the mental capacities of students there are freely interspersed thruout the curriculum free hours or half days during which capable students are free to elect additional work or otherwise.

THE UNIVERSITY OF NEBRASKA

SUMMARY OF COURSES OF THE THIRD, FOURTH, FIFTH
AND SIXTH YEARS

THIRD YEAR

First Semester

Course	Character	Total Hours	Credit Hours
Biochemistry 1..... (Org. and Phys.)	Lec. Lab. Quiz.....	120	3.6
Biochemistry 2..... (Physiological)	Lec. Lab. Quiz.....	220	6.6
Anatomy 3..... (Embryology)	Lec. Lab. Quiz.....	90	2.7
Anatomy 1..... (Gross Anatomy)	Lec. Lab. Quiz.....	165	5.1
Total hours of semester.....		595	
Total credit hours.....		18	

Second Semester

Course	Character	Total Hours	Credit Hours
Anatomy 2..... (Gross Anatomy)	Lec. Lab. Quiz.....	340	11.0
Anatomy 4..... (Hist. and Organol.)	Lec. Lab. Quiz.....	220	7.0
Total hours of semester.....		560	
Total credit hours.....		18	
Total hours of third year.....		1,155	

FOURTH YEAR

First Semester

Course	Character	Total Hours	Credit Hours
Pathology 1..... (Bacteriology)	Lec. Lab. Quiz.....	170	5.8
Physiology 1.....	Lec. Lab. Quiz.....	280	9.5
Anatomy 5.....	Lec. Lab. Quiz.....	80	2.7
Total hours of semester.....		530	
Total credit hours.....		18	

Second Semester

Course	Character	Total Hours	Credit Hours
Pharmacology 1, 2, 3..... (Pharmacy, Pharmacodynamics)	Lec. Lab. Quiz.....	187	6.0
Pathology 2.....	Lec. Lab. Quiz.....	238	8.0
Physiology 3..... (Applied Physiol. & Phys. Diag.)	Lec. Lab. Quiz.....	56	1.8
Obstetrics 1.....	Lec.....	32	1.0
Ophthalmology 1.....	Lec. Dem.	6	.2
Medicine 2.....	Quiz.....	32	1.0
Total hours of semester.....		551	
Total credit hours.....		18	
Total hours of fourth year.....		1,081	

FIFTH YEAR

First Semester

Course	Character	Total Hours	Credit Hours
Internal Medicine 5.....	Lec. Quiz, Clinic.....	68	1.5
Internal Medicine 10a.....	Clinic.....	34	.8
Laryng. and Rhinology 1 and 3.....	Lec. Dem.	18	.5
Pathology 4.....	Lab. Lec. Quiz.....	136	4.0
Internal Medicine 3..... (Physical Diagnosis)	Clinic, Quiz.....	51	2.0
Surgery 9a.....	Clinic.....	34	1.0
Obstetrics 2.....	Lec. Quiz.....	34	1.0
Surgery 1.....	Lec. Quiz.....	68	2.0
Ophthalmology 2.....	Lec. Quiz.....	21	.5
Otology 3.....	Lec. Quiz.....	9	.2
Pharmacology 4..... (Therapeutics)	Lec. Quiz.....	51	1.5
Dispensary.....	Clinic.....	117	3.0
Total hours of semester.....		641	
Total credit hours.....		18	

THE UNIVERSITY OF NEBRASKA

Second Semester

Course	Character	Total Hours	Credit Hours
Dispensary	Clinic	117	3.0
Gynecology 1	Lec. Quiz	18	.5
Internal Medicine 4	Clinic	12	.5
(Physical Diagnosis)			
Internal Medicine 6	Quiz, Lec.	68	2.5
Internal Medicine 10a	Clinic	34	1.0
Laryngology 2	Lec. Quiz	18	.5
Laryngology 4	Clinic	3	.5
Nervous Diseases 1	Lec.	14	.5
Obstetrics 3	Lec. Quiz	34	1.5
Pediatrics 3	Lec. Clinic	34	1.0
Surgery 2	Lec. Quiz	51	1.5
Surgery 8	Lec. Lab.	51	1.5
Surgery 9a	Clinic	51	1.5
Surgery 9b	Clinic	30	1.0
Therapeutics 1	Lec. Quiz, Clinic	34	1.0

Total hours of semester..... 569

Total credit hours..... 18

Total hours of fifth year..... 1,210

SIXTH YEAR

First Semester

Course	Character	Total Hours	Credit Hours
Clinical Clerkship and Dispensary	Clinic	117	3.3
Ophthalmology 4	Clinic	25½	.7
Nervous and Mental Diseases 2	Lec. Quiz	18	.5
Nervous and Mental Diseases 3	Clinic	17	.5
Internal Medicine 10d	Clinic	34	1.0
Internal Medicine 10c	Clinic	34	1.0
Internal Medicine 10e	Clinic	25	.7
Therapeutics 2, 4, 6	Lec. Clinic	34	1.0
Pediatrics 1	Lec. Clinic	25½	.7
Genito-Urinary Surgery 1	Lec. Clinic	25½	.7
Surgery 9d	Clinic	34	1.0
Surgery 3 and 9c	Clinic	34	1.0
Surgery 9f	Clinic	34	1.0
Surgery 5	Lec. Quiz	30	1.0
Obstetrics 4 and 5	Lec. Quiz	30	1.0
Gynecology 2	Lec. Quiz	40	1.0
Gynecology 4 and 5	Lec. Clinic	34	1.0
Dermatology 1 and 4	Lec. Quiz, Clinic	18	.5
Hygiene 1	Lec. Quiz	12	.4

Total hours of semester..... 634

Total credit hours..... 18

Second Semester

Course	Character	Total Hours	Credit Hours
Clinical Clerkship and Dispensary....	Clinic	117	3.3
Ophthalmology 5.....	Clinic	25½	.7
Internal Medicine 10d.....	Clinic	34	1.0
Internal Medicine 10c.....	Clinic	34	1.0
Internal Medicine 11.....	Quiz	25	.7
Nervous and Mental Dis. 4.....	Clinic	34	1.0
Pediatrics 2.....	Clinic	25½	.7
Therapeutics 5.....	Clinic	25½	.7
Surgery 9d and 9e.....	Clinic	34	1.0
Surgery 4 and 9c.....	Clinic	34	1.0
Surgery 9f.....	Clinic	34	1.0
Orthopedic Surgery 1 and 2.....	Clinic	34	1.0
Gynecology 6.....	Clinic	34	1.0
Surg. Obstetrics 3 and 4.....	Lec. Clinic, Quiz.....	24	.7
Dermatology 3.....	Lec. Clinic.....	17	.5
Internal Medicine 7.....	Lec. Quiz.....	16	.5
Medical Jurisprudence 1.....	Lec. Quiz.....	14	.3
Medical Conference 9.....	Clinic	9	.2
Laryngology 5.....	Clinic, Lec.....	½	.1
Surgery 6.....	Lab. Lec. Quiz.....	25	.7
Gen.-Urinary Surg. 2.....	Clinic	17	.5
Medical Review.....	Quiz	68	.4

Total hours of semester..... 681

Total credit hours..... 18

Total hours of sixth year.....1,315

Grand total number of hours scheduled in Omaha.....4,761

COURSES OF INSTRUCTION

ANATOMY

Professor Poynter, Professor Willard, Doctor Keegan, Mr. MacQuiddy

In this department instruction is given in gross anatomy, histology, embryology and neurology. The work of the department extends thru the third year and half of the fourth. In the third year the student completes the courses in dissection, descriptive anatomy, embryology and histology (except central nervous system). In the first semester of the fourth year he completes the course in the gross and microscopic anatomy of the central nervous system.

All instruction is based on laboratory work carried out under the supervision of the staff. Lectures covering subjects of broad morphological significance are given before the entire class but for the discussion of details, in conjunction with laboratory work, the class is subdivided into small groups. Every effort is made to correlate the work in gross and microscopic anatomy so that the student may un-

derstand that the microscope is simply an aid to a better understanding of morphology.

1,2. **Gross Anatomy**—A study of the human body. In the laboratory the student is required to make a complete dissection of the cadaver, using charts, atlases and texts as guides; while his work is largely independent he will be required to submit completed dissections to the departmental staff from time to time to insure the development of a careful technic and a proper understanding of the regions studied. At the completion of the course each student is required to pass a practical examination on the cadaver. Lectures, conferences and laboratory—505 hours.

3. **Embryology**—This course includes a brief survey of the fundamental facts of vertebrate development and their application to the problems of human morphogenesis and histogenesis. In the laboratory the work on general development is based on the study of the chick and pig; in organogeny this material is largely supplemented with human tissues. Recitations on assigned readings, lectures and laboratory—90 hours.

2. **Genito-Urinary Surgery**—One hour lecture. Total seventeen

4. **Histology and Organology**—This course is organized to emphasize the idea that the subject is a farther microscopic analysis of the gross structure of the body. Laboratory work consists of a study of normal human material supplemented by various other mammalian tissues. The relation between structure and function is constantly emphasized. An individual loan collection is furnished each student. Lectures, quizzes and laboratory—220 hours.

5. **Neurology**—A study of the gross and microscopic anatomy of the central nervous system. In the laboratory the work consists of dissections of the human brain, study of microscopic sections and reconstructions of the principal functional paths. The lectures aim to extend the laboratory work and develop those features which are not susceptible of laboratory demonstration and which have a direct bearing on the later work of the curriculum. Lectures and laboratory—80 hours.

Elective Courses and Courses Leading to Research

6. **Topographical Anatomy**—A laboratory course devoted to the study of special regions by means of dissections, frozen sections and wet preparations. 54-90 hours.

7. **Cytology**—An intensive study of intercellular structure with relation to the functional activities of the cell. A course which should precede histological research.

8. **Comparative Neurology**—A study of certain aspects of the nervous system of lower vertebrates as indicating the phylogeny of the human brain.

9. **Histological Technic**—A study of the various technical methods employed in preparing tissues for microscopic study. Classes limited.

10. **Graduate Courses**—The facilities are available for research on special problems within the field of the department, such work leading to graduate degrees under the rules of the Graduate College of the University.

Note—All elective courses must be specially arranged for; time and credit to be arranged for at time of registration.

BIOCHEMISTRY

Professor Cutter, Assistant Professor Peters, Mr. Green and Assistants

The courses of the department are designed:

A. To give a fundamental training in biological (physiological) chemistry in the regular curriculum of the medical student.

B. To afford means for students of biological chemistry, not candidates for the degree of medicine, to obtain the necessary credits for their degrees of A. M., Ph. D., etc. All students who are candidates for a degree are expected to take courses 1 and 2 unless the content of these courses has been covered elsewhere in a manner acceptable to the head of the department.

C. To offer the facilities of the laboratory to physicians and students, whether medical or non-medical, for special work on selected topics or methods in biochemistry, independently of the requirements for a degree.

1. **General Organic and Physical Chemistry**—A general survey of the important organic compounds especially those used in applied medicine. Selected compounds are prepared in the laboratory and their properties studied. Concurrently and in relation with this an introductory study, both descriptive and experimental, is made of some of the physico-chemical relations of reactions, especially electro-chemical conditions and those of the colloidal state. Five hours of lecture and quiz, fifteen hours of laboratory—Total 120 hours. First six weeks, first semester, third year.

2. **Biological Chemistry (physiological chemistry)**—The Introductory work of the preceding course is immediately followed by a study of the principal biochemical substances and processes from the triple point of view of their chemical, their physiological and their pathological relations and as ultimately developed in the facts and principles of metabolism. The methods and results thus obtained are then applied to a similar study of selected tissues and organs. Quantitative methods are employed thruout the course to the fullest extent possible. The primary aim of the course is functional, the chemical method being used as a means to the biological or physiological end. Five hours of

lecture and quiz. Twelve hours of laboratory—Total 220 hours. First semester, third year.

3. **Special Topics in Chemical Pathology**—Laboratory and conference work on special topics or methods selected according to the professional needs of the physician or the special interest of the student. Chemical methods and technic for the study of blood and urine may be selected, especially such as have clinical application, including the more recently developed micro-methods and physico-chemical methods. Other topics may be selected on the functional chemical tests of various organs or on the chemical pathology of diseases of growth and development or of nutrition and metabolism. Ample facilities of both laboratory and hospital will be provided for the chemical study of pathological conditions, or for practically following the succession of chemical or metabolic changes in the progress of a case or of a disease, and especially for experimental work in chemical pathology. This course is open to all physicians and to students who have had course 2 or its equivalent. It may be entered at any time. Hours and topics to be arranged individually.

4. **Outline of Colloid Chemistry**—An elective course consisting of lectures, demonstrations and optional laboratory work. The principal facts of the colloidal state will be discussed especially in their relation to physiological and pathological processes. Medical procedures resting on colloid theories will be critically studied. Hours to be arranged.

5. **Sanitary Chemistry**—An elective course covering the principles of chemical analysis of foods, their adulterants and their preservation. Attention will be paid to methods of detection of impurities, milk analysis and water analysis from the standpoint of biological chemistry, state medicine and hygiene. Hours to be arranged.

6. **Thesis Work**—Candidates for the master's and doctor's degree (Ph. D.) may elect a topic after consultation with the head of the department of biological chemistry with a view of obtaining partial fulfillment for a degree.

DERMATOLOGY AND SYPHILOLOGY

Professor Schalek, Doctor Tomlinson

Thruout the year the students are taken to the different hospitals by appointment to see interesting and rare cases of skin affections. Weekly recitations are given in both semesters to prepare a thorough foundation for the subject. At the University Free Dispensary the students are brought in personal contact with patients of whom they take entire care under the supervision of the attending physician. Special attention is given to the latest advances in syphilology. Salvarsan is discussed and its administration demonstrated. The students

are made acquainted with all the newer therapeutics in dermatology. During the second semester a weekly clinic is given at the Douglas County Hospital which affords abundant dermatological material. A fine collection of plates and photographs is available to be thrown on the screen for lectures and conferences.

1. **Dermatology**—Lantern demonstrations of the various skin lesions together with lectures and recitations upon their etiology, pathology and treatment. Eighteen hours. First semester, sixth year.

Tomlinson

3. **Dermatology and Syphilology**—A weekly clinic at the County Hospital. Demonstration of patients, discussion of treatment and lectures. Seventeen hours. Second semester, sixth year. Schalek

4. **Dermatology and Syphilology**—Demonstrations of patients and new methods of treatment, at the Methodist and Immanuel Hospitals, by appointment. First and second semesters, sixth year.

5. **Dermatology and Syphilology**—University Free Dispensary, five hours weekly. Examinations of patients and treatments given by students under the supervision of the attending physician. First semester, fifth and sixth years.

Schalek, Tomlinson

6. **Dermatology and Syphilology**—University Free Dispensary, five hours weekly. Second semester, fifth and sixth years.

Schalek, Tomlinson

GENITO-URINARY SURGERY

Assistant Professor Kennedy, Doctors Ballard and Tomlinson

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds and local treatment of the mucous membrane of the urethra and bladder, are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

1. **Genito-Urinary Surgery**—One and one-half hours clinic and lecture at Douglas County Hospital. Total twenty-five and one-half hours. First semester, sixth year.

Kennedy

2. **Genito-Urinary Surgery**—One hour lecture. Total seventeen hours. Second semester, sixth year.

3. **Genito-Urinary Clinic at Free Dispensary**—Two hours daily in sections, one month. First semester, fifth and sixth years.

Kennedy, Ballard, Tomlinson

4. **Genito-Urinary Clinic**—3 continued. Second semester, fifth and sixth years.

GYNECOLOGY AND OPERATIVE OBSTETRICS

Professor Findley, Doctors Waters and Taylor

The instruction in diseases of women consists largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological lesions and operative procedures with demonstrations of gross and microscopical specimens. The dispensary clinic, held daily at the University Free Dispensary, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One clinic each week is held in the Clarkson Memorial or Douglas County Hospital thruout both semesters where cases are presented for diagnosis and treatment.

Opportunity is afforded for making bimanual examinations under anaesthesia in the clinics and for assisting in the operations.

2. **Gynecology**—The subject is covered by didactic lectures and recitations. These are supplemented by lantern demonstrations, demonstrations of instruments, casts and pathological specimens. Four hours. Total forty hours. First semester, sixth year. Findley

3. **Operative Obstetrics**—Illustrated lectures and conferences. Three hours. Total twenty-four hours. First half, second semester, sixth year. Findley

4. **Operative Obstetrics**—Presentation of clinical cases in connection with courses 5 and 6.

5. **Gynecology**—A weekly clinic at the Clarkson Memorial or Douglas County Hospital. A special feature is the opportunity given each student to make examinations under anaesthesia and to assist in operations. Two hours. Total thirty hours. First semester, sixth year. Findley

6. **Gynecology**—5 continued. Two hours. Total thirty-four hours. Second semester, sixth year.

7. **Gynecology**—University Free Dispensary. Two hours each day are devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. Ten hours. First semester, sixth year. Waters, Taylor

8. **Gynecology**—7 continued. Ten hours. Second semester, sixth year.

HYGIENE AND PUBLIC HEALTH

Professor Towne

1. **Sanitation and State Medicine**—Relation of medical profession to public health. Results of practical experience. Quarantine regulations in Nebraska. Discussions upon air, water, soil and climate; heat-

ing and ventilation; water supplies public and private; private and municipal management of transmissible diseases; epidemics, contagion and disinfection; vital statistics. One hour lecture. Total twelve hours. First semester, sixth year. Towne

INTERNAL MEDICINE

Professor Bridges, Professor Milroy, Professor Crummer, Assistant Professor Bliss, Assistant Professor Banister, Assistant Professor Bridges, Doctors Hamilton, Anderson, Conlin, Hall and Pratt

1. **Physical Diagnosis**—(See Physiology 3.)

2. **Principles of Medicine**—A recitation course upon the general and infectious diseases, taking up systematically their etiology, pathology, symptomatology, diagnosis, prognosis and treatment. Four hours. Total thirty-two hours. Second semester, fourth year. Hall

3. **Physical Diagnosis**—Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Two hours clinic, one hour quiz. Total fifty-one hours. First semester, fifth year. Bliss, Anderson

4. **Physical Diagnosis**—3 continued. One hour quiz. Two hours clinic. Total fifty-one hours. Second semester, fifth year. Bliss

5. **Internal Medicine**—2 continued. Four hours quiz, two weeks alternate dispensary service, two hours clinic. Total sixty-eight hours. First semester, fifth year. E. L. Bridges, Conlin, Hamilton

6. **Internal Medicine**—5 continued. Four hours quiz, two hours clinic. Total sixty-eight hours. Second semester, fifth year. E. L. Bridges, Conlin, Hamilton

7. **Tropical Medicine**—Lectures on the distribution, etiology, diagnosis, and treatment of such tropical diseases as are of practical importance to American physicians in view of our increasing commercial intercourse with tropical countries by reason of our possessions in the West Indies, Panama Canal Zone, and in the Islands of the Pacific. The endemology and epidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control and suppression of the same. One hour lecture. Total sixteen hours. Second semester, sixth year. Banister

8. **Life Insurance Examinations**—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technic in examining applicants for life insurance. One hour. Second semester, sixth year. Milroy

9. **Medical Conferences**—Reports of cases on clinical clerk and extern services. One hour. Total nine hours. Second semester, sixth year. Milroy

10. Internal Medicine Clinics—

- a. Methodist Hospital—2 hours. First and second semesters, fifth year. E. L. Bridges
- b. County Hospital—2 hours. Second semester, fifth year. Bliss
- c. Methodist Hospital—2 hours. First and second semesters, sixth year. W. O. Bridges
- d. Clarkson Hospital—2 hours. First and second semesters, sixth year. Crummer
- e. County Hospital—1½ hours. First semester, sixth year. Milroy
- f. Dispensary service (see schedule).
- g. Clinical Clerk service (see schedule).

11. **Review Course**—A course covering a general review of Medicine. Use of outlines, case reports, histories, etc., with thoro correlation with pathology. Total twenty-five hours. Second semester, sixth year. Pratt

LARYNGOLOGY AND RHINOLOGY

Professor Owen, Doctors Wherry and Rubendall

- 1. **Physiology and Appearance of Nose, Throat and Larynx**—Examination of each with special reference to the normal. Use of instruments. One hour lecture. One hour demonstration. Total eighteen hours. First semester, fifth year. Wherry
- 2. **Diseases of the Nose, Throat and Larynx** with pathology, diagnosis and treatment. One hour lecture. Total thirty-four hours. Second semester, fifth year. Owen
- 3. **Diseases of Nose and Throat**—One and one-half hours clinic. First semester, fifth year in sections.
- 4. **Diseases of Nose and Throat**—One and one-half hours clinic. Second semester, fifth year in sections.
- 5. **Diseases of Nose and Throat**—Lectures and clinic. Two hours. Second semester, sixth year.
- 6. **Dispensary**—Services of one month, daily. First semester, fifth and sixth years. Owen, Wherry, Rubendall
- 7. **Dispensary**—Course 6 continued. Second semester, fifth and sixth years.

MEDICAL JURISPRUDENCE

Mr. Thomas

- 1. **Medical Jurisprudence**—Physicians' contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity, and survivorship.

Sexual relations. Quarantine, sanitation. Medical legislation. Fourteen lectures. Second semester, sixth year. Thomas

NERVOUS AND MENTAL DISEASES

Professor Aikin, Doctor Mogridge

1. **Nervous and Mental Disorders**—Lectures on the etiology of nervous and mental diseases; methods of examination; upper and lower neurons with symptoms referable to each; neuritis single and multiple; motor and sensory disorders; diseases of the spinal cord; sclerosis; progressive muscular atrophies and dystrophies; diseases of the brain and its membranes; apoplexy, hemorrhage; epilepsy, hysteria, convulsions; idiocy, imbecility, feeble-mindedness; neurasthenia and psychasthenia; goitre, occupation neuroses; trophic and vasomotor disorders; disorders of sleep; insanity, its recognition; acute and common forms amenable to treatment; chronic and dementing forms and their care; psycho-analysis in medical practice, etc. Total eighteen hours. Second semester, fifth year. Aikin, Mogridge

2. **Nervous and Mental Disorders**—1 continued. Eighteen one-hour periods, first semester, sixth year.

3. **Nervous and Mental Disorders**—Clinic at the Methodist Hospital. General discussion of the causes productive of neurologic and psychologic symptoms. Cases followed by clinical clerks. One hour. Total seventeen hours. First semester, sixth year. Aikin

4. **Nervous and Mental Disorders**—Clinic at the County Hospital. Conferences on diagnosis and treatment. Cases followed by clinical clerks. Two hours. Total thirty-four hours. Second semester, sixth year.

OBSTETRICS

Professor Somers, Assistant Professor Pollard, Doctor Taylor

1. **The Physiology of Pregnancy, Labor, and the Puerperium**—Hygiene and conduct of pregnancy, normal labor and puerperium and the physiology and the care of the new-born child. One hour lecture. Total thirty-two hours. Second semester, fourth year. Taylor

2. **Pathology of Pregnancy, Labor, Puerperium, and of New-Born Child**—Two hours lecture. Total thirty-four hours. First semester, fifth year. Pollard

3. **Pathology of Pregnancy, Labor, Puerperium and of New-Born Child**—2 continued. Two hours. Total thirty-four hours. Second semester, fifth year.

4. **Obstetrics**—The hemorrhages, antepartum, intrapartum, and postpartum. The toxemias, antepartum, intrapartum, postpartum and

the infections. Review of use of forceps with special applications. Three hours. Total thirty hours. First semester, sixth year.

Somers

5. **Clinical Obstetrics** in homes and institutions during the entire fifth and sixth years. Somers, Pollard, Taylor

ATTENDANCE ON OBSTETRICAL CASES

The Lying-in Dispensary and the various hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of the sixth year class under direction. During such attendance the student is excused from other College exercises. Under direction and in presence of the professor or one of his assistants, he makes examination, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor and in case operative procedure is necessary, witnesses and assists at operations. Each student is shown one or more cases during the fifth year, special opportunities being offered to students remaining in the city during the summer months. An obstetric clinic by appointment on Saturday afternoons and on other days out of lecture hours is in successful operation in connection with this department, at which students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the time. All material for six months of the year at the County Hospital is utilized for this purpose. Written reports of all clinical work are required and each student must have reported twelve cases of confinement before coming up for graduation.

OPHTHALMOLOGY AND OTOTOLOGY

Professor Gifford, Doctors Patton, Lemere, Potts, Lindquest, Knodel and Callfas

1. **Ophthalmology**—General examination of the eye, with special reference to the normal. Principles of refraction with practical exercises in groups at dispensary. Use of ophthalmoscope, etc., with practical demonstrations. One hour lecture. Total six hours. Second semester, fourth year.

Potts

2. **Ophthalmology**—Diseases of the eye, symptomatology and diagnosis. Lecture and quiz. Three hours. Total twenty-one hours. First semester, fifth year.

Patton

3. **Otology**—Special diagnostic methods with use of instruments. Non-surgical diseases of the ear. Three hours. Total nine hours. Second half, first semester, fifth year.

Lemere

4. **Diseases of the Eye and Ear**—Lectures and clinics at Methodist Hospital. Cases followed by clinical clerks on service. Treatment and

diagnosis. One and one-half hours. Total twenty-five and one-half hours. First semester, sixth year. Gifford, Patton

5. **Diseases of the Eye and Ear**—4 continued. One and one-half hours. Total twenty-five and one-half hours. Second semester, sixth year.

6. **Operative Course on Animal Eyes**—Elective. One hour. Second semester, sixth year. Patton

7. **Ophthalmoscopy**—Course designed to meet demands of ophthalmoscopic diagnosis in internal medicine. Twelve hours. Elective for sixth year students. Patton

8. **Dispensary**—Junior and senior services of one month each. Three hours systematic and special quiz with demonstrations.

Potts, Lindquest, Knode, Callfas

ORTHOPEDIC SURGERY

Professor Lord, Doctor Schrock

1. **Orthopedic Surgery**—Diseases of bones and joints, synovial membranes and bursae. Congenital and acquired deformities and disease producing deformities. The prevention of deformities and dystrophies with principles of treatment. Subjects illustrated by photographs, slides, etc. One hour. Total seventeen hours. Second semester, sixth year. Lord, Schrock

2. **Orthopedic Surgery**—Two hours clinic and quiz. Clarkson Hospital. Total seventeen hours. Second semester, sixth year.

Lord, Schrock

PATHOLOGY AND BACTERIOLOGY

Professor Eggers, Dr. Johnson, Mr. Myers, Dr. Manning

1. **Bacteriology and Protozoology**—A lecture and laboratory course on the microorganisms of pathogenic importance to man. The lecture and class work is devoted: (a) to a study of the more important pathogenic organisms, with especial reference to their infectiousness as determined by their habits of life and occurrence in nature; (b) to a study of the phenomena and theories of immunity; (c) to a brief survey of the pathogenic protozoa; (d) to special applications of bacteriology, as in sanitary analysis. The laboratory work is primarily designed to familiarize the student with bacteriological technic, and to give him a first-hand working knowledge of the life habits of the principal pathogenic bacteria. In addition, experimental work is also given in the field of immunity, where the student studies the various types of immunity as produced by himself in laboratory animals; the last few

weeks of the course are devoted to the bacteriological analysis of water and milk. 102 hours laboratory, 68 hours class work. First semester, fourth year.

2. **General Pathology**—A lecture and laboratory course on the study of disease processes in general. The lecture and class work is devoted: (a) to a discussion of the fundamentals of general pathology; (b) to a study of disease processes in detail, with particular reference to their causes, manifestations, and effects. In the laboratory, the greater portion of the work consists of a study of microscopic sections illustrating the various processes. This is supplemented by the demonstration of gross museum specimens, and of fresh specimens whenever possible. 153 hours laboratory, 85 hours class work. Second semester, fourth year.

3. **Special Pathology**—The work of course 2 is continued in the first semester of the fifth year as systemic pathology. The effects of the various pathological processes upon the different organ systems are considered and are illustrated by microscopic and museum specimens and by fresh material. 51 hours laboratory, 17 hours lecture and 17 hours recitation. First semester, fifth year.

4. **Clinical Pathology**—The primary aim of this course is to familiarize the student with the apparatus, methods and technic of the clinical laboratory. Especial attention is paid to methods applicable in general practice, the results of such practical modifications being compared with those obtained by more exact methods and apparatus. The course is closely correlated with the preceding one, the clinical laboratory work applicable to each organ system following directly upon the consideration of the gross and microscopic pathology of that system. 34 hours laboratory, 17 hours lecture and 17 hours recitation. First semester, fifth year.

5. **Autopsy Technic**—Sixth year students are required to attend the autopsies held by the staff. Two fifth year students are assigned to each autopsy, performing the postmortem under the immediate supervision of the instructor; they are required to present a complete protocol of the gross and microscopic findings.

ELECTIVE COURSES

The following elective courses are open to those who have completed courses 1, 2 and 3.

6. **Pathological Technic**—A course on the preparation and examination of pathological anatomical material. It includes the use of the celloidin, paraffin, freezing microtomes, routine and special staining, and the diagnosis of specimens after preparation. Hours arranged individually.

7. **Public Health Bacteriology**—A laboratory course intended to give instruction in the methods of bacteriological analysis of water, milk, sewage and foods.

8. **Immunology**—Laboratory work and assigned reading aiming at more detailed knowledge, especially of the methods which have clinical application, than is possible from course 1.

9. **Experimental Pathology**—The study of physiological abnormalities induced by experimental procedures.

10. **Clinical Pathology**—Advanced work in the hematological and chemical study of clinical cases.

11. **Research**—The facilities of the department are available for original investigation upon presentation by the applicant of evidence of adequate preliminary training.

PEDIATRICS

Professors McClanahan, Doctors Christie, Hamilton, Wigton, Moore

1. **Pediatrics**—Gastro-intestinal diseases, diseases of nutrition, and the important part played by errors of diet in their production. The history and technic of intubation. Clinics, at Child-Saving Institute and Methodist Hospital, where many cases of ordinary affections of infancy and childhood furnish practical applications. One and one-half hours lecture, and clinic. Total twenty-five and one-half hours. First semester, sixth year.

McClanahan

2. **Pediatrics**—1 continued. Second semester, sixth year. One and one-half hours lecture and clinic. Total twenty-five and one-half hours.

3. **Care of Children**—Instruction in the care, hygiene and feeding of infants; cranial measurements and physical development. Milk modification in all its methods including practical work at the Child-Saving Institute and at the Clarkson Hospital. Diseases of new-born and diseases of nutrition. One hour lecture, one hour clinic. Total thirty-four hours. Second semester, fifth year.

Christie

4. **Dispensary**—Two hours daily. First semester, fifth and sixth years on assignment.

Hamilton, Wigton, Moore

5. **Dispensary**—4 continued. Two hours daily. Second semester, fifth and sixth years on assignment.

PHARMACOLOGY

Professor Pilcher and Assistants

1. **Elementary Pharmacy and Principles of Prescription Writing; Toxicology; Absorption and Excretion of Drugs**—The term "Pharmacy" is construed liberally; the course will include sufficient laboratory and didactic work to enable the student to become familiar with

the various pharmaceutical preparations used in therapeutics. Laboratory and didactic practice in the methods of writing and of compounding prescriptions; the avoidance of incompatibilities; study of principles of toxicology and of absorption of drugs. Six hours laboratory. First nine weeks of second semester, fourth year.

2. **Experimental Pharmacodynamics**—Experimental laboratory work on cold blood animals and mammals. Experiments are performed by the students, written observations noted and conclusions drawn. In the laboratory period the members of the classes alternate in collecting and classifying the data obtained by the individual students and groups of students. These class reports are presented and discussed in frequent conferences. The object of this method of presenting the work of the entire class by one or two students is to familiarize each student with methods of classifying and presenting experimental data in a clear, concise manner. Six hours laboratory, two hours conference. Second nine weeks of second semester, fourth year.

3. **Didactic Pharmacology**—By means of lectures and quizzes individual drugs are studied; this includes drugs of local and systemic activity, constant reference being made to the results of the laboratory course. This course includes the following subdivisions: (a) The discussion of the physiological action of drugs, special emphasis being laid on the therapeutic application of the knowledge required; (b) The practical application of the principles of toxicology acquired in the related departments of biochemistry and pharmacology; (c) *Materia Medica*—while studying the individual drugs, the student will familiarize himself with the appearance and physical properties of the preparation of the drug, the dosage, methods of dispensing, etc., practice in prescription writing, etc. Two hours. Second semester, fourth year.

4. **Didactic Pharmacology**—Continuation of course 3. Lectures and quizzes and practice in prescription writing; the therapeutic application of the acquired knowledge of the drugs.

5. **Elective Work**—As time and opportunity permit, elective courses along experimental lines will be offered to a limited number of students. Not more than one course of about twenty hours will be offered in one year.

PHYSIOLOGY

Professor Guenther, Dr. Anderson, Mr. Rusche and Assistants

A study of the facts and theories of normal vital phenomena presented with special reference to their medical bearing. The time allotted to the general course is spent in class conferences and in laboratory experimentation. In the laboratory the class is divided into two sections which meet on alternate days during one semester. Numerous

demonstrations are given to illustrate the subject matter under consideration.

In addition to imparting information, stress is laid upon training the students in differentiating physiological facts from inferences; in the acquisition of a careful experimental technic; in the cultivation of a capacity for independent observation and in general, in supplying as far as is possible, an intimate knowledge of physiological processes.

1. **General Course in Physiology**—Lectures, conferences, quizzes. Laboratory work and demonstrations. Preparation of theses, assigned reading and the preparation of abstracts from current literature. Total 280 hours. First semester, fourth year. Guenther

2. **Clinical Physiology**—A series of lectures and quizzes given in conjunction with Physiology 3, placing emphasis on physiological topics of particular clinical interest. Total ten hours. Second semester, fourth year. Guenther

3. **Applied Physiology and Physical Diagnosis**—Continuation of Course 2. General principles. Demonstration of topography of head, chest and abdomen. Physical signs in health studied by direct personal examination. Lectures treat of normal conditions. In the laboratory the class is divided into sections and drilled in inspection, percussion and auscultation. Total fifty-one hours. Second semester, fourth year. Anderson

4. **Elective Courses**—Physiology of special clinical interest and courses leading to research. Arranged as to content and time by consultation with the head of the department. For fifth and sixth year students, for candidates for advanced degrees, for practitioners and for special students. Credit to be arranged. Guenther

SURGERY

Professor Jonas, Professor Davis, Professor Summers, Associate Professor Stokes, Doctors Kennedy, Morrison, Hollister and Hull

The course in surgery aims to give the students a thoro understanding of the principles of surgical pathology, surgical diagnosis and rational treatment and does not attempt in the undergraduate courses the development of surgical operative technic. Minor surgical technic is taught in the dispensary and clinics, including numerous practical exercises in surgical asepsis, and the student is prepared to perform such operations as would come to the practitioner as emergencies or in the course of general work. For surgical courses leading to general surgery the student is referred to graduate courses which may be arranged by consultation with the head of the department.

1. **Principles of Surgery**—A full description of the classes of tumors, their pathology, differentiation, relation to general diseases,

manifestations, operative and non-operative methods of treatment. Topics assigned for recitation and quiz covering lectures on principles of surgery, surgical pathology of tumors, the practice of surgery, fractures and dislocations. Four hours. Total sixty-eight hours. First semester, fifth year. Stokes, Hull, Hollister

2. **Principles of Surgery**—1 continued. Three hours. Total fifty-one hours. Second semester, fifth year.

3. **Practice of Surgery**—Clinics amplified by lectures on surgical diagnosis, pathology and treatment. Cases assigned for clinic are reported by special groups of senior students with complete data regarding diagnosis, treatment, etc., of each case. All reported or operated cases followed in the wards by clinical clerks on service. Methodist Hospital. One hour lecture, one hour clinic. Total thirty-four hours. First semester, sixth year. Jonas

4. **Practice of Surgery**—3 continued. Methodist Hospital. One hour lecture, one hour clinic. Total thirty-four hours. Second semester, sixth year.

5. **Fractures and Dislocations**—A lecture, quiz and demonstration course on fractures and dislocations. X-ray diagnosis with application of bandages and casts. Three hours. Total thirty hours. First semester, sixth year. Hollister

6. **Fractures and Dislocations**—5 continued. Practical work in application of plaster casts. Two hours. Total thirty-four hours. Second semester, sixth year.

7. **Operative Technic**—Students required to master details of the more common operations; ligations, amputations, excisions, paracentesis, celiotomies for various abdominal diseases, rib resection and trephining. One hour. Second semester, sixth year. Morrison

8. **Experimental Surgery**—Intended to familiarize students with principles of surgical technic, asepsis, preparation of supplies for operation, use of instruments, preparation of patients for operation, and care of patients after operation. These points are developed by operations done on animals with the same care that such operations are done on human beings. One hour lecture, two hours in operating room. Total fifty-one hours. Second semester, fifth year. Stokes

9. **Surgical Clinics**—

a. Emmanuel Hospital—Three hours. First and second semesters, fifth year. Davis, Hull

b. County Hospital—Two hours. Second semester, fifth year. Hollister

c. Methodist Hospital—Two hours. First and second semesters, sixth year. Jonas

d. Clarkson Hospital—Two hours. First and second semesters, sixth year. Summers

- e. County Hospital—Clinics by appointment on time of clinic "d." Summers
- f. Wise Hospital—Two hours. First and second semesters, sixth year. Stokes
- g. Dispensary service (see schedule).
- h. Clinical Clerk service (see schedule).

THERAPEUTICS

Assistant Professor Goetz, Doctor Ballard

The courses of this department follow directly those offered by the department of Pharmacology. The following courses are offered with the object of fixing firmly the practical applications of pharmacological reasoning.

1. **Clinical Therapeutics**—Practical course. Necessity of definite plans of treatment based upon logical reasoning shown in the more important diseases. Embraces the direct application of all forms of therapeutic aid. Lectures, quizzes and clinics. In clinics special attention paid to analyzing cases for therapeutic indications. Two hours recitation. Total thirty-four hours. Second semester, fifth year.

Goetz.

2. **Clinical Therapeutics**—1 continued. Including course 1. Total twenty-five and one-half hours. First semester, sixth year.

3. **Seminar in Therapeutics**—Arranged at opening of school year. Each student makes an investigation and reports upon some of the modern specialized forms of therapeutics, such as the Nauheim treatment, the Carlsbad treatment, the Finsen treatment. Careful investigation of the topic with discussion by the class and criticism by the instructor. Sixth year. By appointment.

Goetz.

4. **Therapeutic Clinic**—One and one-half hours. First semester, sixth year.

5. **Therapeutic Clinic**—One and one-half hours. Total twenty-five and one-half hours. Second semester, sixth year.

6. **X-ray Diagnosis and Therapeutics**—Lectures, demonstrations with practical reading of plates, fluroscopic examinations and treatments. Nine hours lecture. First semester, sixth year.

Ballard

MEDICAL WORK IN LINCOLN

The academic work preparatory to admission to the College of Medicine proper is done in the College of Arts and Sciences under the advice of the Dean of the College of Pharmacy.

UNIVERSITY HOSPITAL

Faculty Committee

Willson Orton Bridges, M. D., Chairman; Byron Bennett Davis, A. B., M. D.; Harold Gifford, B. Sc., M. D.; Frank Styles Owen, M. D.; The Dean

Hospital Staff

The staff of the University Hospital is composed of the professors, clinical professors, instructors and assistants in the University of Nebraska College of Medicine. These men receive no compensation from the state, and are not permitted by the Regents' rules to receive remuneration from the patients in the University Hospital. Each member of the staff may be relied upon to use his highest skill in the treatment of patients sent to the University Hospital.

The University Hospital

The University Hospital, located on the campus of the College of Medicine at Omaha, was erected as a result of an appropriation of \$150,000 made by the legislature of 1915 for the purpose of providing a teaching hospital which would care for the worthy sick poor of the state. Plans were decided upon after a careful study had been made of the needs of the state and of university hospitals in other states. The lighting, ventilation, heating and general arrangement have been most carefully planned and the building typifies almost ideal construction. The building contains 120 beds in ward group units of 16 beds each with 3 isolation beds adjacent to each ward. In the entire construction of the hospital the welfare of the patient has been uppermost in mind. Funds have not been wasted upon elaborate architecture or furnishings. Stability and permanence, however, prevail. The hospital faces the east and the wards, therefore, have both east and west light. All walls are tinted a light gray. The ward and corridor floors are covered with linoleum of a medium brown shade contrasting pleasantly with the white metal furniture. The hospital furnishings throughout are of white enamel metal, permitting of absolute cleanliness.

The administration wing houses the receiving department, the college and hospital offices, the library and the internes' quarters. The ground floor to the north houses the pathological department and to the south the main kitchen, dining rooms, etc. Medical patients will occupy all of the first floor, surgical patients the second floor and mis-

cellaneous cases, including obstetrics, the third floor. The fourth floor provides three commodious operating rooms, a complete, modern, up-to-date X-ray department, clinical amphitheater, two recovery rooms and a small laboratory for frozen section work. An elevator sufficient to accommodate a bed travels from the ground floor to the operating room floor. Commodious and ample porches, on each floor, adjoin both north and south wings. These will be enclosed with glass and well screened. A promenade roof paved with tile extends over the administration wing.

COURSE IN EMBALMING AND SANITARY SCIENCE

General Statement

It has been the policy of the University wherever possible to render assistance along the lines of State development. The responsibility of the State in public health matters is everywhere recognized and the importance of well trained embalmers in assisting in carrying out this work is becoming appreciated at its true worth. For students desiring to become professional embalmers and wishing to obtain wider preparation than can be secured in the short course which has formerly been held at the annual meeting of the Association, the University now offers a special group of courses covering a period of eight weeks. This work will be given in connection with the regular session of 1918, beginning in October. The first session of the course in Embalming was given in the fall of 1915.

Requirements for Admission

All persons desiring to register for these courses must be 21 years of age, of good moral character, and must present to the Registrar credentials showing that they have had a preliminary education equivalent to a two year high school course and a certificate from a licensed embalmer showing that they have had at least one year's practical experience under his direction.

Facilities

The instruction in the laboratory courses will be given in the regular laboratories of the College of Medicine and the students will have access to all the facilities offered by the College, including the library which is open for consultation and study from 9 a. m. till 10 p. m. every day except Sunday. Demonstrations in practical embalming and funeral management will be furnished by members of the Nebraska Embalmers' Association resident in Omaha. In this way ample opportunity will be furnished for seeing practical work conducted in the most approved manner.

The following are the lecturers in addition to the faculty of the College of Medicine:

Mr. N. P. Swanson, Omaha.
Mr. Walton Roberts, Lincoln.
Mr. W. H. Dorrence, Omaha.
Mr. George H. Brewer, Omaha.
Mr. W. M. Hill, Hebron.
Mr. Leo Hoffman, Omaha.
Mr. Willis C. Crosby, Omaha.
Mr. V. A. Matthews, Lincoln.
Mr. M. F. O'Malley, Grand Island.
Mr. John J. Larkin, Omaha.

Certificate

When students have completed satisfactorily the courses as outlined they will receive a certificate. This certificate will be received by the Board of Embalmers of Nebraska in lieu of an examination for an embalmer's license providing other legal requirements have been complied with.

Registration

Persons intending to take this course or desiring further information concerning it are requested to apply to Doctor I. S. Cutter, Dean, University of Nebraska College of Medicine, Omaha, Nebraska.

Courses of Study

Anatomy. This course is designed to cover the general structure of the human body in so far as it will be needed in connection with the special work of embalming. Lectures will be supplemented with laboratory work where the student will be made familiar with all the important regions by individual work on the cadaver. Time sixty hours.

Poynter

Bacteriology and Sanitary Science—The development of bacteriological knowledge; the nature, size and shape of bacteria; the distribution of bacteria in nature. The effects of bacterial growth in nature. Saprophytic bacteria and their relation to putrefaction and fermentation; soil bacteria; bacteria in the economy of nature. The growth and study of bacteria in the laboratory. Pathogenic bacteria; the causation of disease by bacteria; the paths by which disease producing bacteria enter the body. The modes of spread of pathogenic bacteria. The destruction of bacteria, disinfection and sterilization; the prevention of disease in the care of bodies and in the conduct of funerals.

Bacteria and embalming. The prevention of infection in embalming.

Eggers, Myers

Pathology—The autopsy and the technic of its performance; preparation of the body after autopsy. The preservation of tissues; comparison of the effects of various chemicals and embalming fluids in tissue preservation. The pathological lesions of the more common diseases. The disposal of infected and infective material removed at autopsy. Lectures accompanied by lantern and demonstrations will be given on general questions of sanitation and public health of interest to the embalmer. Time sixty hours.

Eggers

Chemistry—This course will furnish beside a preliminary survey of the subject study of the elements and compounds of interest to students of embalming. The preservative action and disinfective properties of inorganic and organic compounds will be given detailed study and work in the laboratory will afford the student opportunity for intimate observation of their action. Time ninety hours.

Practical Embalming—This course will combine thru demonstration and quiz a detailed study of all the important questions connected with embalming and funeral management. Some of the topics receiving special attention will be cosmetic effects of different methods of embalming; causes of discolorations and methods of removal; handling of the body cavities; preparation of bodies for long shipments; prevention of molds; prevention of desiccation; care of contagious diseases; equipment and management of morgues; surgical and mutilated cases.

Professional Embalming and Funeral Management

1. Theory and practice of embalming: A quiz and demonstration course covering all phases of the work and uniting the theoretic and the practical. Twenty-four hours.

Mr. Leo Hoffman, Omaha

Mr. Willis C. Crosby, Omaha

2. Cavity and arterial embalming. Four hours.

Mr. Walton Roberts, Lincoln

3. Special and difficult cases; contagious diseases; surgical and mutilated cases; preparation for shipment; desiccation and mold and their prevention. Lectures and demonstrations, six hours.

Mr. W. H. Dorrence, Omaha

4. Funeral management. Lectures two hours.

Mr. Geo. H. Brewer, Omaha

Mr. N. P. Swanson, Omaha

5. Management of case in home and morgue. Four hours.

Mr. M. F. O'Malley, Grand Island

6. Legal aspects of embalming. Lectures four hours.

Mr. W. M. Hill, Hebron

7. Rights of embalmer in relation to estates in Probate Court. Two hours.

Mr. John J. Larkin, Omaha

8. The Profession of Embalming, its history, growth and relation to the public. Lectures two hours. Mr. V. A. Matthews, Lincoln

Opportunity for observation of the practice of embalming and funeral management as conducted by the leading licensed embalmers of the city will be afforded from time to time. This work will be bulletined at the college and other work of the students will be arranged so as not to conflict with these special cases.

FEEES

A fee of \$40.00 must be paid at the time of registration to cover cost of instruction and laboratory expenses. At the close of the course examination will be held and successful candidates will be given a certificate on which the Nebraska Board of Embalmers will issue a license without further examination, providing all requirements have been met. The usual fee for the state license is payable to the Nebraska Board of Embalmers.

The College of Pharmacy

OFFICERS OF ADMINISTRATION AND INSTRUCTION

¹SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.

RUFUS ASHLEY LYMAN, A. M., M. D., Dean of the College of Pharmacy and Professor of Physiology and Pharmacology. (*Head of Department of Physiology and Pharmacology.*) Nebraska Hall 206.

FLORENCE IRWIN MCGAHEY, A. B., Registrar and University Publisher. (*Secretary of the Faculties.*)

FRANKLIN DAVIS BARKER, Ph. D., Professor of Medical Zoology and Parasitology. Bessey Building.

GEORGE BORROWMAN, Ph. D., Associate Professor of Chemistry. Chemical Laboratory.

ELSIE DAY, A. B., Ph. G., Assistant Professor of Pharmacognosy. Nebraska Hall 205.

MARY LOUISE FOSSLER, A. M., Assistant Professor of Chemistry. Chemical Laboratory.

CLARENCE JACKSON FRANKFORTER, A. M., Assistant Professor of Chemistry. Chemical Laboratory. On leave. Captain, 341 Infantry, 86th Division.

NIELS PETER HANSEN, Ph. G., Lecturer in Commercial Pharmacy.

WILLIAM GRANGER HASTINGS, A. B., Lecturer in Pharmaceutical Jurisprudence and Dean of the College of Law. Law Building.

JAMES EDWARD LEROSSIGNOL, Ph. D., LL. D., Director of the School of Commerce and Professor of Economics and Commerce. (*Head of Department of Economics and Commerce.*) University Hall 101.

OSCAR ROSS MARTIN, A. M., Associate Professor of Accounting and Business Administration. University Hall 103.

HARLEY MARTIN PLUM, Ph. D., Professor of Chemistry. Chemical Laboratory.

¹On leave of absence from February 1 to September 1, 1918, in war service.

RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*) Bessey Building.

HELENA REDFORD, B. Sc., Lecturer in Physiology. Nebraska Hall 205A.

HARRY LANDIS THOMPSON, B. Sc., A. M., Instructor in Pharmacy and Physiology.

FRED WILBERT UPSON, Ph. D., Professor of Chemistry. (*Head of Department of Chemistry.*) Chemical Laboratory.

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. (*Head of Department of Bacteriology and Pathology.*) Bessey Building.

LEVA BELLE WALKER, A. M., Associate Professor of Botany. Bessey Building.

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology. (*Head of Department of Zoology.*) Bessey Building.

ORGANIZATION

The interest in professional circles concerning the manufacture, dispensing and sale of drugs, poisons and synthetics, together with the passage of the Food and Drugs Act, has placed upon pharmacy, pharmaceutical chemistry and allied subjects, an importance never before enjoyed. The demand for skilled pharmacists was never so great as at the present time. The training as well as the general and technical knowledge demanded of applicants for positions by pharmacists, manufacturers and the government is rapidly increasing. Thus while positions and opportunities in pharmaceutical work are on the increase, thoro, scientific training in the fundamental subjects has become imperative.

In view of these facts, the University, in the spring of 1908, organized the School of Pharmacy. The Legislature in the spring of 1915 erected the College of Pharmacy. The purpose of the College is to give the best possible general and technical training in order that students may become responsible dispensers, pharmaceutical manufacturers, food and drug inspectors and analysts. Further, the University desires to co-operate with the professional men of the state in their efforts to improve and maintain professional standards in the interest of public health.

GROUPS AND DEGREES

Three groups of studies are offered, as follows:

1. A **Two-year Group**, leading to the degree of Graduate of Pharmacy (Ph. G.), which prepares directly for drug store and dispensing practice. Since two years does not give sufficient time to properly train students for the practice of modern pharmacy, notice is hereby given that as soon as conditions become normal after the war, the University will discontinue the two year course. This step has already been taken by the Universities of Michigan and Minnesota.

2. A **Three-year Group**, leading to the degree of Pharmaceutical Chemist (Ph. C.), giving the student a broader foundation and preparing him for a wider field of action. Its graduates are prepared to do analytical work for physicians or the public, to enter either the analytical or biological laboratories of the large manufacturing concerns, and to fill the government positions made necessary by the passage of the Food and Drugs Act.

3. A **Four-year Group**, academic and professional, leading to the degree Bachelor of Science in Pharmacy. This course includes all the technical work of the two-year course with the privilege of election from the three-year course. Students completing this course are prepared to do graduate work, and, if they so desire, may seek the degrees of the Graduate College.

Students registered in the College of Pharmacy for degrees in Pharmacy, but who wish to study medicine later, may arrange their courses so they can complete the work required for the study of medicine while pursuing the courses in Pharmacy.

ADMISSION TO THE COLLEGE OF PHARMACY

Credentials which are accepted towards admission to the University become the property of the University and are kept permanently in the files. All credentials must be filed with the Registrar. They should be mailed at least two months before the beginning of any semester or session to insure prompt attention. Attention to this request will save applicants much inconvenience.

Admission to the University is gained only thru matriculation in one of the eight colleges, (the three schools are included in the colleges).

Admission may be (1) to freshman-standing, (2) to advanced standing, and (3) as adult special students.

ADMISSION TO FRESHMAN STANDING

Admission to freshman standing may be (1) *complete*, meeting all requirements of the College of Pharmacy, or (2) *conditional*, deficient in required subjects. For complete admission applicants must present 30 entrance points, for conditional admission a minimum of 28 entrance points, from one of the approved sources given under "Admission by Certificate," below, and in the subjects for the amount indicated under "Entrance Subjects," below.

An *entrance point* is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses an entrance point is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks. In laboratory courses without recitation, an entrance point is the equivalent of fifteen single periods each week.

Students admitted conditionally must remove the conditions at the earliest possible opportunity. Degrees will not be granted until such conditions are removed.

Entrance credit, in addition to that presented when admission is granted, to be accepted must be submitted within one year from date of matriculation.

College credit is given for work done in a secondary school only upon examination and then for a maximum of nine hours' elective credit and only in chemistry, Greek, mechanical drawing, solid geometry, trigonometry, third and fourth year German, French and Latin

¹An "hour" is given for each one hour recitation or lecture which presupposes two hours of preparation, or for the equivalent of a three hour laboratory period during each of the eighteen weeks of a semester.

and fourth year English. To receive college credit for such work, application must be made at the time of first registration in the University and the examination must be taken by the end of the first semester.

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission by Certificate

Applicants for admission to freshman standing may be admitted (1) *by certificate* and (2) *by examination*.

Admission may be had by certificate (a) from the secondary schools on the accredited list of the University and (b) from the secondary schools which are members of the North Central Association of Colleges and Secondary Schools, and of Accrediting Associations of equal rank.

Applicants, who are graduates from secondary schools accredited to the University, must file their "entrance cards" with the Registrar or indicate the name of the school and the year of graduation when applying for admission.

Applicants, who are not graduates from secondary schools accredited to the University, must secure from the Superintendent or Principal an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured and also a recommendation from such Superintendent or Principal that the applicant be admitted before graduation from the high school and file the same with the Registrar.

Applicants from secondary schools which are members of the North Central Association of Colleges and Secondary Schools and of Accrediting Associations of equal rank must secure an official certified statement of record showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitations and the grade secured and also whether or not the applicant is a graduate and file the same with the Registrar.

Admission by Examination

All applicants other than those stated above for admission to the University are required to take entrance examinations. Entrance examinations are offered by the High School Inspector during the entire week in which registration occurs at the beginning of each semester.

Entrance Subjects

The 30 entrance points required for complete admission to freshman standing and the 28 entrance points required for conditional ad-

mission to freshman standing, must be presented in the following subjects for the amount indicated; the time element as indicated above in the definition of an *entrance point* is essential:

Required Subjects	Points
English	4
History (European) (a)	2
Language (foreign) (b)	6 to 4
Mathematics (algebra and geometry) (b)	4 to 6
Science (laboratory)	2
Elective Subjects	
Other subjects taught in an approved manner in an accredited secondary school	12
Total	30

(a) History—

It is recommended that Greek and Roman history be offered in meeting the European history requirement.

(b) Language and Mathematics—

Ten points of foreign language and mathematics are required with a minimum of four points in either.

ADMISSION TO ADVANCED STANDING

Applicants for admission from other Universities or Colleges must file with the Registrar (1) *a letter of honorable dismissal*; (2) *an official certified statement of the college work already accomplished* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations or lectures per week, the length of the recitation or lecture, if a laboratory course the amount of time in laboratory per week and the grade secured, accompanying the same with a marked catalog of the institution in which it was done; (3) *an official certified statement of the record of secondary school work* showing the length of time of attendance, and for each course the length of the course in weeks, the number of recitations per week, the length of recitation and the grade secured, satisfying the admission requirements of that college of the University which the applicant seeks to enter.

Applicants for admission to advanced standing are of two classes: (1) those entering from universities and colleges whose requirements for admission and graduation are equal to those of this University, who are given full credit in this University in so far as their work applies not to exceed senior standing; (2) those entering from colleges whose requirements for admission and graduation are not equal to those of this University, who are given less than full credit in proportion to the rank of the institution from which they enter.

In every instance a student shall complete in residence and in the senior year at last thirty of the one hundred and twenty-five hours required for graduation.

Advanced credit, in addition to that presented when admission is granted, to be accepted must be submitted for approval within one year from date of matriculation.

ADMISSION AS ADULT SPECIAL STUDENTS

Persons at least twenty-one years of age, who do not fulfill the regular admission requirements for freshman standing, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special students under such conditions as shall be deemed wise in each individual case to do such work as they are prepared to do. Adult Special students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for admission to freshman standing. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special student suspended for failure in University work may be readmitted only upon meeting the requirements for freshman standing. No person is permitted to abuse the privilege of registration as an Adult Special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in Military Science and Physical Education apply to Adult Special students as well as to candidates for degrees.

REGISTRATION

Registration week each student¹ is given a ticket entitling him to a definite time in which to register. To promote prompt registration a fee of \$3 is charged a student who, unless permitted to do so by the Registrar, seeks to register after these days. Registration is not complete until the fees are paid and the application for registration filed in the office of the Registrar. A like fee of fifty cents is charged for any change whatever in registration, (changing subjects, adding or dropping a subject), unless such change is made necessary by error. A student changing from one College to another must pay a new matriculation fee of \$5 and such a change may not be made without written permission to the Registrar from the Dean of each College concerned. A student may change from one group of studies to another on written permission to the Registrar from the Dean. A student is allowed to drop any subject for which he has been regularly

¹Freshmen schedules are arranged for the year. Their registration for the second semester is, in general, merely a formality consisting in the payment of the necessary fees.

registered on written permission of the Adviser approved by the Dean of the College. A first and second year student may not register for more than one one-hour subject nor for more than five subjects exclusive of Military Science and Physical Education in any one semester; a third and fourth year student may not register for more than two one-hour subjects in any one semester. A regular student is not permitted to register for less than twelve hours without permission from the Dean. A first year student may not register for more than 17 hours. A student above the first year who has attained an average of 80% during the previous year may register for a maximum of 18 hours. Credit is not given for work in excess of the maximum of 18 hours a semester or for work pursued without registration at the time when pursuing the same. A student may not attend classes for which he is not registered except to remove a "condition" or "incomplete." A student who fails in a required subject must register for that subject the first time it is offered. A student who receives a "condition" or "incomplete" must remove that "condition" or "incomplete" by the end of the first semester in which that subject is again offered or it becomes a failure; extensions of time may be granted by instructors for removing a "condition" or "incomplete."

REQUIREMENTS FOR GRADUATION

The requirements for the various degrees given by this College are as follows:

1. The moral character of the candidate must be unquestioned.
2. He must have complied with all the requirements of admission and have paid all fees.
3. He must have completed all required courses and have passed satisfactory examination in all required subjects in the curriculum.
4. His last year's work must be taken in this institution.

Experience in the business of pharmacy is not made a requirement for a degree.

EQUIPMENT

The laboratories of the University are well equipped with all the essential apparatus for giving the most thoro instruction. A more or less detailed description of the equipment is given under the description of courses by the various departments.

Libraries. The following libraries, aggregating 312,152 volumes, are accessible to students in Lincoln. The University Library of 134,000 volumes is strong in those scientific lines wherein lies the work of the student of pharmacy. It includes special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology and medicine. The Lincoln City Library, of 40,562 volumes, also has an alcove devoted exclusively to medical and pharmaceutical literature. The State Library of 73,340 volumes at the Capitol in-

cludes valuable pharmaceutical works in certain lines. The Nebraska State Historical Society Library of 64,250 volumes contains useful series of public documents, such as reports of state boards of health and of state hospitals, pharmaceutical associations and other institutions.

THE PHARMACEUTICAL SOCIETY

The Pharmaceutical Society is an undergraduate organization, the object of which is to bring the students into contact with the leading professional men of the state and elsewhere, and to promote the athletic and social life of the students. Membership in it is open to all students in the College of Pharmacy.

THE PHARMACEUTICAL GARDEN

The College of Pharmacy has a medical plant garden upon the University campus which is used for teaching and experimental purposes. About one hundred and twenty-five species of the more important drug plants are now being cultivated in the garden and twenty-five species of tropical drug plants are growing in the University greenhouses. This garden has proven that such important drug plants as digitalis, stramonium and belladonna can be grown in Nebraska and yield a high per cent of physiologically active principles. This garden offers opportunities for study and investigation which are not duplicated in any place where the climatic conditions are like those in Nebraska.

PRIZES

Mr. N. P. Hansen, of Lincoln, offers an annual prize of a gold medal to the senior who has obtained the highest general average during his entire course. This prize is offered only to those students registered in the three and four year groups and all of whose work has been taken in this institution.

Mr. Smith C. Wilson, of Lincoln, offers an annual prize of a membership in the American Pharmaceutical Association to the graduate of the College of Pharmacy who passes the examination of the State Board of Pharmacy with the highest average. The examination must be taken during the calendar year in which graduation occurs.

The Fairchild Scholarship

Mr. Samuel W. Fairchild, of New York City, offers a scholarship annually amounting to \$300.00 in cash to senior students of colleges holding membership in the American Conference of Pharmaceutical Faculties. The student winning this scholarship must devote one year's time to the study of some research problem in pharmacy in the school of his choice. The examinations will be held annually at the University on the 25th of June. Any one desiring to compete should address the Dean at once.

PHARMACY WEEK

The second week in May of each year is known as Pharmacy Week. During this week the activities of the College of Pharmacy are placed before the general University Community and the Public. At this time the Nebraska Board of Pharmacy gives its quarterly examinations in the laboratories of the College of Pharmacy and many prominent druggists from various parts of the state are present. For the annual Pharmacy Convocation on Thursday of this week, the University brings to Lincoln a pharmacist of national reputation. In 1914 this address was given by Dr. W. J. Teeters, Dean of the College of Pharmacy of the University of Iowa and Secretary of the American Conference of Pharmaceutical Faculties. In 1915 it was given by Dr. F. J. Wulling, Dean of the College of Pharmacy of the University of Minnesota and President of the American Pharmaceutical Association, in 1916 it was given by Dr. Edward Kremers of the University of Wisconsin, and in 1917 it was given by Dr. Albert Schneider, of the College of Pharmacy of the University of California. In May, also, many of the plants in the drug plant garden have developed a good growth, making this week an excellent time for druggists and any others interested in pharmaceutical activities of any kind to visit the College of Pharmacy.

THE SUMMER SESSION

In the Summer School, courses are offered in general, organic and galenical pharmacy, general and analytical chemistry, physiology, botany and zoology. Manufacturing and analytical pharmacy are offered in alternate years. If a student devotes all of his time to any two of these subjects it is possible for him to complete a year's work in these subjects in one Summer Session.

STANDING

The College of Pharmacy is a member of the American Conference of Pharmaceutical Faculties. The membership of the Conference is limited to the best American Schools as determined by their standards for entrance and graduation. The credits of the College of Pharmacy are recognized by all first class schools of Pharmacy and by all state examining boards. In Kansas, graduates of this institution are registered upon the presentation of their diplomas.

GENERAL UNIVERSITY PRIVILEGES

Students in the College of Pharmacy have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military Science is also offered.

FEES AND EXPENSES

Fees. All fees and charges are payable in advance to the Secretary of the University. The incidental, library and matriculation fees will not be refunded in any case except when charged thru official error. No laboratory or tuition fees or any portion thereof will be refunded to a student after the beginning of the fourth week from the date of his registration and refund will be made only upon written application to the Registrar, stating reasons and approved by the head of the department concerned, presented at the time of withdrawal from class or from the University together with the receipt for fees issued by the Secretary. Except in extraordinary cases not more than one-third of the laboratory fees will be refunded after the student has attended the laboratory.

The Secretary does not cash personal checks for accommodation. Checks on personal accounts will be received when written for the amount of the fees only. Parents or guardians are advised to write checks for students' fees and their other expenses separately; if this is not done, students should deposit in local banks and give their own checks for the amount of fees. Misapprehension as to the amounts charged for fees is thereby avoided.

The schedule of fees in the College of Pharmacy is as follows:

Matriculation fee (payable on entering each college).....\$5.00

Being statutory, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.

Diploma fee..... 5.00

Diploma fee, in absentia.....15.00

Registration (late registration)..... 3.00

Re-registration (including change in registration)..... 0.50

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

TUITION FEE

Tuition, first semester.....\$20.00

Tuition, second semester..... 15.00

Tuition, summer session..... 10.00

For special examination, one subject..... 1.00

A pro rata tuition of not less than \$5 a semester is charged to unclassified or Adult Special students.

Students taking the three year course will pay the regular tuition the first two years and \$10 per semester the third year. Students taking the four year course will pay the regular tuition the first two years and \$10 per semester the last two years. Beginning in the fall of 1919 a flat tuition fee of \$35 per year will be charged for all groups.

THE COLLEGE OF PHARMACY

321

LABORATORY FEES

Bacteriology	
Course 5.....	\$5.00
Botany	
Courses 1, 2, 21, 22.....	2.00
Courses 13, 14.....	1.00
Chemistry	
Course 31.....	10.00
Courses 33, 34.....	8.00
Courses 19, 46.....	6.00
Courses 1, 2, 20, 51, 52.....	5.00
Courses 3, 4, 67.....	4.00
Courses 5, 21, 22, 24 per credit hour.....	2.00
Courses 43, 44.....	2.00— 6.00
Pharmacy	
Courses 21, 22, 23, 24, 25, 28.....	7.00
Courses 51, 52, 56.....	3.00
Courses 26, 31, 35, 36, 37, 41, 42, 43, 53, 54, 55, 60.....	5.00
Physiology and Pharmacology	
Courses 1, 2, 8, 9, 19, 20.....	5.00
Course 10.....	2.00
Course 70.....	1.00
Courses 71, 72.....	4.00
Course 73.....	10.00
Zoology	
Courses 13, 14.....	2.00
Course A.....	4.00

Expenses. In Lincoln, board and lodging may be secured in private families for from \$25 to \$30 a month. There are also numerous student clubs. A list of boarding places is kept by the University Y. M. C. A., who also maintains an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GROUPS OF STUDIES

Two-year Group, leading to the degree of Graduate in Pharmacy (Ph. G.).

	FIRST YEAR	1st Semester Hours	2nd Semester Hours
Pharmacy (General) 21.....		3	
Pharmacy (Galenical) 22.....			3
Chemistry (General) 1, 2.....		5	5
Physiology 1, 2.....		3	3
Botany 1, 2.....		3	3
Pharmacy (Journal Club) 33, 34.....		1	1
		<hr/> 15	<hr/> 15

	1st Semester	2nd Semester
SECOND YEAR	Hours	Hours
Pharmacy (Pharmaceutical Assay) 23.....	3	
Pharmacy (Pharmaceutical Assay) 24.....		3
Chemistry (Organic) 31.....	5	
Pharmacy (Pharmacognosy) 51, 52.....	3	3
Physiology (Pharmacology) 8, 9.....	3	3
Pharmacy (Advanced Galenical) 25.....		2
Pharmacy (Prescriptions and Dispensing) 28....		3
Pharmacy (Store Management) 30.....	}	1
Pharmacy (Pharmaceutical Jurisprudence) 32		
Pharmacy (Journal Club) 33, 34.....	1	1
	<hr/> 15	<hr/> 16

Three-year Group, leading to the degree of Pharmaceutical Chemist (Ph. C.).

FIRST YEAR		
Pharmacy (General) 21.....	3	
Pharmacy (Galenical) 22.....		3
Chemistry (General) 1, 2.....	5	5
Botany 1, 2.....	3	3
Physiology 1, 2.....	3	3
	<hr/> 14	<hr/> 14

SECOND YEAR		
Pharmacy (Pharmaceutical Assay) 23.....	3	
Pharmacy (Pharmaceutical Assay) 24.....		3
Pharmacy (General Manufacturing) 41.....		2
Pharmacy (Pharmacognosy) 51, 52.....	3	3
Pharmacy (Store Management) 30.....	}	1
Pharmacy (Pharmaceutical Jurisprudence) 32		
Pharmacy (Advanced Galenical) 25.....		2
Pharmacy (Journal Club) 33, 34.....	1	1
Chemistry (Organic) 31.....	5	
Electives	3	3
	<hr/> 15	<hr/> 15

THIRD YEAR		
Pharmacy (Prescriptions and Dispensing) 28....		3
Pharmacy (Assay of Fixed & Volatile Oils) 35	2	
Pharmacy (Spices and Foods) 53.....	2	
Pharmacy (Drug Plant Culture) 55.....		2
Physiology (Pharmacology) 8, 9.....	3	3
Bacteriology 5.....	3	
Pharmacy (Journal Club) 33, 34.....	1	1
Electives	5	6
	<hr/> 16	<hr/> 15

All students should take the three year course rather than the two, since it gives a much better training and opens up a broader field of action. Students intending to go into the retail drug business should choose their electives chiefly from the courses offered by the Department of Economics and Commerce.

Four-year Group, leading to the degree of Bachelor of Science in Pharmacy (B. Sc. in Pharm.). Details in regard to the non-technical courses which appear in this schedule should be secured from the announcement of the undergraduate colleges.

	FIRST YEAR	1st Semester Hours	2nd Semester Hours
Pharmacy (General) 21.....		3	
Pharmacy (Galenical) 22.....			3
Chemistry (General) 1, 2.....		5	5
Botany 1, 2.....		3	3
Language, Literature or Economics.....		3	3
¹ Drill (men), Physical Education (women).....		1	1
		—	—
		15	15
SECOND YEAR			
Pharmacy (Pharmaceutical Assay) 23.....		3	
Pharmacy (Pharmaceutical Assay) 24.....			3
Pharmacy (Pharmacognosy) 51, 52.....		3	3
Pharmacy (Advanced Galenical) 25.....			2
Chemistry (Organic) 31.....		5	
Physiology 1, 2.....		3	3
¹ Drill (men), Physical Education (women).....		1	1
Electives			4
		—	—
		15	16
THIRD YEAR			
Pharmacy (Assay of Fixed & Volatile Oils) 35		2	
Pharmacy (Spices and Foods) 53.....		2	
Pharmacy (Drug Plant Culture) 55.....			2
Pharmacy (General Manufacturing) 41.....			2
Pharmacy (Journal Club) 33, 34.....		1	1
Pharmacy (Store Management) 30.....			1
Pharmacy (Pharmaceutical Jurisprudence) 32			1
Physiology (Pharmacology) 8, 9.....		3	3
Zoology 13, 14.....		3	3
Electives		5	4
		—	—
		16	16

¹Four semesters of Physical Training, each giving one hour credit, are required of women. Four semesters of Military Science, each giving one hour of credit, are required of men.

		1st Semester	2nd Semester
	FOURTH YEAR	Hours	Hours
Pharmacy (Prescriptions & Dispensing) 28.....			3
Pharmacy (Crude Drug Assay) 36.....		2	
Pharmacy (Assay Patent Preparations) 37.....			2
Pharmacy (Dental & Toilet Preparations) 42....		2	
Pharmacy (Tablet Manufacture) 43.....			2
Pharmacy (Journal Club) 33, 34.....		1	1
Physiology (Physiological Standardization) 19..			2
Bacteriology 5.....		3	
Electives		8	6
		16	16

It is the intention to permit a liberal selection of courses in the four year group. However, students are advised in general to select non-laboratory subjects; but if laboratory subjects are chosen in the third or fourth year they should be advanced courses.

COURSES OF INSTRUCTION

PHARMACY

Professor Lyman (*Head of Department*), Assistant Professor Day, Mr. Thompson, Miss Redford, Mr. Hansen, Dean Hastings

General Pharmacy

21. **Pharmacy**—An introductory course in pharmacy consisting of a study of weights, measures, specific gravity, vaporization, desiccation, distillation, sublimation, comminution, separation of fluids from solids, filtration, clarification and decoloration, precipitation, crystallization, separation of immiscible liquids, granulation, exsiccation, dialysis, extraction, expression, percolation, etc., and all elementary processes used in the preparation of medicines. Three hours attendance. Four hours laboratory. Three hours credit. First and second semesters and summer session. Thompson, Redford

22. **Galenical Pharmacy**—A study of the pharmacopoeial preparations of waters, syrups, spirits, elixirs, ethereal solutions, liniments, oleates, infusions, decoctions, tinctures, fluid extracts, solid extracts, etc. Three hours attendance. Four hours laboratory. Three hours credit. Second semester and summer session. Thompson, Redford

23. **Pharmaceutical Assay**—A study of the official inorganic compounds. The lectures cover the history, method of preparation, physical and chemical properties, and uses in pharmacy, of such substances as inorganic acids, bases and salts. The laboratory consists of work

in assaying the inorganic acids, bases, salts and preparations; special tests, and a series of pharmaceutical assay problems. Three hours attendance. Four hours laboratory. Three hours credit. First semester.

Thompson

24. **Pharmaceutical Assay**—A study of the official organic compounds. The lectures include history, methods of preparation; chemical and physical properties and uses in pharmacy of cellulose and its derivatives, coal tar and its derivatives, starches, sugars and gums, alcohol and its derivatives, organic acids, fixed and volatile oils, alkaloids, glucosides and animal products. The laboratory work is a course in identifying the alkaloids, the assay of certain fixed and volatile oils, and the assay of alkaloidal drugs; and a series of organic pharmaceutical problems. Three hours attendance. Four hours laboratory. Three hours credit. Second semester.

Thompson

25. **Advanced Galenical Pharmacy**—An advanced course supplementing course 22 and dealing with the study and manufacture of the standardized tinctures, fluid extracts, emulsions, pill masses and the more complex galenicals of the Pharmacopoeia and National Formulary. Two hours attendance. Three hours laboratory. Two hours credit. Second semester.

Thompson

26. **Pharmacy**—A laboratory course intended to familiarize the student with the fundamental processes in pharmacy. Primarily for medical students. Two hours attendance. Three hours laboratory. Two hours credit. Second semester.

Day

27. **History of Pharmacy**—One hour attendance. One hour credit. Second semester.

Lyman

28. **Prescriptions and Dispensing**—A detailed study of the prescription and the art of dispensing and compounding. Three hours attendance. Four hours laboratory. Three hours credit. Second semester.

Thompson

30. **Store Management**—A series of lectures on general store management. One hour attendance. One hour credit. Second semester.

Hansen

31. **Photography**—A study of the physical and chemical laws and theories underlying the science. Two hours lecture. Four hours laboratory. Second semester.

Thompson

32. **Pharmaceutical Jurisprudence**—A series of six lectures concerning the legal status of the pharmacist. Second semester.

Hastings

33. **Journal Club**—A review of current pharmaceutical literature. One hour attendance. One hour credit. May be registered for more than once. First semester.

Lyman

34. **Journal Club**—Course 33 continued. One hour attendance. One hour credit. May be registered for more than once. Second semester.

Lyman

Assaying¹

35. **Assay of Fixed and Volatile Oils**—A course in complete analyses of U. S. P. fixed and volatile oils, determining physical constants, tests for identification and impurities, and methods of assay of the chief constituents. One hour attendance. Four hours laboratory. Two hours credit. First semester.

Thompson

36. **Crude Drug Assay**—An advanced course in the assay of crude drugs and their official preparations. One hour attendance. Four hours laboratory. Two hours credit. First semester.

Thompson

37. **Assay of Patent Preparations**—A course in the assay of emulsions, ointments, tooth washes, solid and powdered extracts, pills, powders, liniments, suppositories, digestive mixtures and patent medicines. One hour attendance. Four hours laboratory. Two hours credit. Second semester.

Thompson

Manufacturing

41. **General Manufacturing**—A study of the methods of manufacture of blueings, blackings, inks, washing powders, furniture dressings, metal polishes, insecticides and disinfectants. One hour attendance. Four hours laboratory. Two hours credit. First semester.

Day

42. **Dental and Toilet Preparations**—A study of the various bases used, the cleansing and antiseptic properties of, and the methods of coloring, perfuming and preserving used in the manufacture of pastes, creams, soaps, washes, powders, pomades, shampoos, etc. One hour attendance. Four hours laboratory. Two hours credit. First semester.

Day

43. **Tablet Making**—A study of tablet and pill masses, including methods of triturating, mixing, granulating, drying, lubricating, coloring, compressing and coating. One hour attendance. Four hours laboratory. Two hours credit. Second semester.

Day

51. **Pharmacognosy**—A study of crude and powdered drugs including their history, classification, constitution and means of identification. Three hours attendance. Four hours laboratory. Three hours credit. First semester and summer session.

Day

52. **Pharmacognosy**—Course 51 continued. Three hours attendance. Four hours laboratory. Three hours credit. Second semester and summer session.

Day

¹For Physiological Assaying see department of Physiology and Pharmacology.

53. **Spices and Foods**—The pharmacognosy of spices and foods and their adulterations. One hour attendance. Four hours laboratory. Two hours credit. First semester and summer session. Day

54. **Narcotics**—The pharmacognosy of the plants and plant products included under the Harrison Law. One hour attendance. Four hours laboratory. Two hours credit. Second semester. Day

55. **Drug Plant Culture**—A study of the methods of drug plant culture designed to give the student the method of procedure for cultivating drug plants in Nebraska. It involves a study of soil and climatic conditions, methods of planting, propagating, cultivating, curing and harvesting. One hour attendance. Four hours laboratory. Two hours credit. Second semester and summer session. Lyman

56. **Pharmacognosy for Medical Students**—A study of the more important plant drugs, their history, collection, geographical distribution and active constituents. The laboratory work will include study of the living plants in the garden. Two hours lecture. Two hours laboratory. Two hours credit. First semester. Day

60. **Advanced Pharmacognosy**—Investigation of special problems in pharmacognosy. First and second semesters and summer session. Day

PHYSIOLOGY AND PHARMACOLOGY

(See Later Pages of This Catalog)

The Teachers College

OFFICERS OF ADMINISTRATION AND INSTRUCTION

¹SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

WILLIAM GRANGER HASTINGS, A. B., Acting Chancellor of the University.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Professor of Educational Theory and Practice. (*Head of Department of Educational Theory and Practice.*)

FLORENCE IRWIN MCGAHEY, Registrar and University Publisher. (*Secretary of the Faculties.*)

MATTIE ALLEN, A. M., Instructor in Primary Education.

GERTRUDE BEERS, Instructor in Shorthand in the Teachers College High School.

NELS AUGUST BENGTON, A. M., Professor of Geography and Conservation.

RUFUS C. BENTLEY, Ph. D., Associate Professor of Education.

HARRY ELWYN BRADFORD, A. B., Professor of Secondary Agricultural Education and Principal of the School of Agriculture. (*Head of Department of Secondary Agricultural Education.*)

²HERBERT BROWNELL, B. Sc., Professor of Sciences in Secondary Education. (*Head of Department of Sciences in Secondary Education.*)

RAYMOND GUSTAVUS CLAPP, Ph. B., M. D., Professor of Physical Education and Director of the Men's Gymnasium. (*Head of Department of Physical Education.*)

²LETTA MAY CLARK, A. M., Assistant Professor of Methods of Instruction in English.

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Conservation. (*Head of Department of Geography and Conservation.*)

CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures. (*Head of Department of Romance Languages and Literatures.*)

WILLIAM FRANCIS DANN, A. M., Professor of the History and Criticism of the Fine Arts. (*Head of Department of the History and Criticism of the Fine Arts.*)

¹Absent on leave from February 1 to September 1, 1918, in war service.

²Members of the University faculty who direct practical courses in the Teachers College High School.

- CARL CHRISTIAN ENGBERG, Ph. D., Executive Dean, Acting Dean of the College of Arts and Sciences and Professor of Applied Mathematics.
- FRED MORROW FLING, Ph. D., Professor of European History. (*Head of Department of European History.*) On leave, Major, Historical Branch of General Staff.
- LAURENCE FOSSLER, A. M., Professor of Germanic Languages and Literatures. (*Head of Department of Germanic Languages and Literatures.*)
- PROSSER HALL FRYE, A. B., Professor of Rhetoric. (*Head of Department of Rhetoric.*)
- PAUL HENRY GRUMMANN, A. M., Professor of Dramatic Literature and Director of the School of Fine Arts.
- CORA BELLE HILL, A. M., Associate Professor of School Administration and Assistant Principal of the Teachers College High School.
- LEUVICY HILL, Instructor in Typewriting, Teachers College High School.
- SARKA HRBKOVÁ, A. M., Professor of Slavonic Languages. (*Head of Department of Slavonic Languages.*)
- JAMES THOMAS LEES, Ph. D., Professor of Greek History and Literature. (*Head of Department of Greek History and Literature.*)
- ALICE MARIE LOOMIS, A. M., Professor of Home Economics. (*Head of Department of Home Economics.*)
- GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Professor of Education and Dean of the Graduate School of Education. (*Head of Department of Education.*)
- BLANCHE MARGARET LYMAN, A. M., Supervisor of American History and Civics, Supervisor of Discipline, Teachers College High School.
- RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Physiology and Pharmacology and Dean of the College of Pharmacy. (*Head of Department of Physiology and Pharmacology.*)
- DAISY JEANETTE NEEDHAM, A. M., Assistant Professor of European History.
- CLARA JEANETTE NELSON, A. M., Instructor in the Teaching of Geography and Botany in the Teachers College High School.
- CLARK EDMUND PERSINGER, A. M., Professor of American History.

¹See footnote (2) page 330.

- RAYMOND JOHN POOL, Ph. D., Professor of Botany. (*Head of Department of Botany.*)
- CARRIE BELLE RAYMOND, Director of Music.
- ALBERT ALISON REED, A. M., Inspector of Accredited Schools, Professor of Secondary Education. (*Head of Department of Secondary Education.*)
- HARRY H. REIMUND, Fellow in Educational Theory and Practice.
- SARAH AGNES RYAN, A. M., Instructor in the Teaching of German in the Teachers College High School.
- ¹FREDERICK WARREN SANFORD, A. B., Associate Professor of Roman History and Literature.
- ¹FREDERICK AMES STUFF, A. M., Litt. D., Professor of English Language and Literature. (*In charge of Methods of Instruction in English in Teachers College High School.*)
- ¹CHARLES WILLIAM TAYLOR, A. B., Professor of School Administration and Principal of Teachers College High School. (*Head of Department of School Administration.*) On leave. Captain in the 339th Machine Gun Battalion.
- HUTTON WEBSTER, Ph. D., Professor of Social Anthropology.
- ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology. (*Head of Department of Zoology.*)
- HARRY KIRKE WOLFE, Ph. D., Professor of Philosophy. (*Head of Department of Philosophy.*)
- MARION LUELLE YOUNG, Associate Professor of Physical Education and Director of the Women's Gymnasium.

STANDING COMMITTEES

- Course of Study—Professors Fossler (*Chairman*), Lees, Luckey, Reed, Taylor, Stuff.
- Schedule—Professors Conklin, Luckey, Wolcott, Brownell, The Registrar.
- Advanced Standing—The Chancellor, the Dean, and the Inspector of the Accredited Schools.
- Teachers Certificates—The Chancellor, Professors Fordyce, Pool, Brownell, Reed, Stuff, Taylor, Lees, The Registrar (*Secretary*).
- Credits on University Teachers' Certificates—Professors Wolcott, Grummann, Stuff, and The Registrar.
- Bureau of Recommendation of Teachers—Dean Fordyce, and Professors Condra, Brownell, Persinger, Reed, Taylor, Luckey, and Wolfe.
- Nominations—The Chancellor, the Dean.

¹See footnote (2) page 330.

THE TEACHERS COLLEGE

On February 14, 1908, the Board of Regents erected the University Department of Education into a Teachers College. This action was confirmed by an act of the state legislature in 1909.

The aim of this College is, while dealing with the history, theory and practice of teaching generally, to improve the quality of secondary teaching in particular, and to provide thoroly prepared teachers for the secondary schools. The Teachers College aims to provide for the following classes of students:

(1) Well advanced and ambitious teachers wishing preparation for school principalships and superintendencies. They may or may not wish the University Teachers' Certificate, may or may not care to work for advanced degrees.

(2) College students intending to teach, who wish the Bachelor's degree with the University Teachers' Certificate. Such candidates register in this College in the Sophomore year, specializing in education, and proceed as laid down under "Requirements for Graduation." The requirements for the Certificate are found under the caption "University Teachers' Certificate" on a later page.

(3) Men and women of college grade who design to teach agriculture in high schools. For these the College of Agriculture provides technical courses which are so supplemented by special courses in the Teachers College as to meet the requirements of the Smith-Hughes Act and the state school laws of Nebraska in qualifying them as instructors and supervisors in agriculture, home economics and allied sciences.

(4) Persons preparing to teach such special branches as manual training, physical education and the fine arts are provided in other schools technical courses which are so supplemented by special work in the Teachers College as to meet the requirements of the state school laws in qualifying them as instructors and special supervisors in their chosen subjects.

(5) Mature teachers in any department wishing by a longer or shorter period at the University to review studies, familiarize themselves with new methods, or master new branches. Such teachers should consult the Dean. They will find a year or even a semester of properly chosen work of great value.

The Dean of the Teachers College is also ex-officio head of the Bureau on Recommendation of Teachers. This College is also charged with the study of developing the work of instruction in agricultural pedagogy made possible by the so-called "Nelson Amendment" which became a law at the end of the 59th congress. The Teachers College High School and the School of Agriculture serve as model secondary schools to the Teachers College.

ADMISSION TO THE TEACHERS COLLEGE

Candidates for admission to the Teachers College must have completed and have credit for the first year of collegiate work. This credit must be preceded by the pre-collegiate preparation (30 points¹) afforded by a four years' course in an accredited high school.

Advanced Standing—Applicants from other institutions of approved standing who offer collegiate courses or professional courses in excess of the requirements for admission will be assigned such advanced standing as may be determined by the Committee on Advanced Standing.

Registration—Students register in this College in the Sophomore year, at the same time retaining identity in another college of the University which grants the degree of Bachelor of Arts or of Science simultaneous with the granting of the Teachers College Diploma and the University Teachers' or First Grade State Certificate by the Teachers College. Thus thruout the Sophomore, Junior and Senior years the student is registered in two colleges.

Registration in the Teachers College takes place on the same days and under the same conditions as in the College of Arts and Sciences.

Advisers—The Dean of the College is the general Adviser for students in this College. The board of advisers in this College consists of the Dean and members of the faculty. The general system accords with the plan obtaining in the College of Arts and Sciences.² All candidates for the Diploma and for the University Teachers' Certificate should consult the Dean before registering, that the grouping and correlation of their studies may be properly fixed. Special information concerning majors and minors in which the candidate wishes to specialize may be obtained from the heads of the departments concerned.

Fees in the Teachers College are the same as those in the College of Arts and Sciences, except that graduates taking the University Teachers' Certificate are charged an additional certificate fee of \$2.00.

REQUIREMENTS FOR GRADUATION

University Credits (62 hours)—Of the 125 University credit hours³ required for the degree of Bachelor of Arts or of Bachelor of Science, at least 62 credit hours shall be in the Teachers College.

The candidate is enrolled at the same time in the Teachers College and in the college in which the major academic work for his degree is sought, being subject to the faculty of the latter college for his aca-

¹For the definition of a credit "point," see page 129.

²See page 133.

³See footnote page 130.

demic course and to the former for his professional. He must complete the required subjects in the college in which he takes his degree and, as optional subjects, the professional requirements of the Teachers College.

No student is recommended for a degree who, at the beginning of his last semester, is not within eighteen of the 125 hours required for graduation.

College Professional Requirements

Each candidate for graduation from the Teachers College is absolutely required to complete the following professional subjects in addition to those required in the college which grants the bachelor's degree.

A. For Teachers College Diploma and University Teachers Certificate:

	Hours
Psychology	6
Education (professional or technical work).....	15
Education 1, 2.....	6
Education 7 or 16.....	3 or 2
Education 19, 20 or 21.....	3 or 2
Educational Electives.....	4 or 3
Major and Minor subjects (specialization).....	40

The professional courses should be taken in the following sequence: Psychology and History of Education in the Junior year, Child Study in the Senior year or in the first half of the Junior year, Educational Theory and Practice in the Senior year.

No major subject may be less than 24 hours, and no minor subject less than 12 hours. The 40 hours may be divided between one major and one minor, or three minors. Major and minor subjects should be closely allied.

B. For Teachers College Diploma and First Grade State Certificate:

	Hours
Philosophy	3
Education	12

¹The following courses are recommended:

Philosophy 3.....	3
Education 2.....	3
Philosophy 16.....	2
Education 35.....	2

¹A variation of these courses intended to fit the candidate for the Junior High School or for the Elementary School will be prescribed on consultation with the Dean of the Teachers College.

Education 37.....	1
Education 21.....	2
Education 23.....	2

Specialization—Each candidate must make a study of a group of at least two subjects (giving 12 to 16 hours each) chosen as the field of instruction, the amount and character of the work to be determined by the Dean of the College and the Teachers' Certificate Committee.

Departmental Requirements for major and minor recommendations for the University Teachers' Certificate may be found at the beginning of departmental exhibits under "Courses of Instruction."

Residence—At least one year's resident work is required of all candidates for graduation from the Teachers College.

THE UNIVERSITY TEACHERS' CERTIFICATE

The University Teachers' Certificate is granted only to students registered in the Teachers College and only to those who (1) maintain an average of at least eighty (80) per cent in the group of subjects to be taught and a high average in all other subjects in the collegiate course, (2) show special fitness for teaching. As indicated in the extract from the Nebraska certification laws quoted below, it entitles its holder to teach in any high school in Nebraska and is valid in many other states; after three years' successful experience in teaching it may be converted into a life certificate by the endorsement of the state superintendent.

The special requirements for this certificate are: (1) The candidate must hold the bachelor's or the master's degree from this University. (2) The completion of non-professional or specialized work amounting to at least 40 hours, divided between a major and a minor or among three minor subjects which the student expects to teach, the ultimate decision as to the student's proficiency resting with the Certificate Committee. The major subject shall be from 24 to 32 hours and the minor from 12 to 16 hours. (3) Professional Knowledge—The completion of 15 hours in Education, and 6 hours in Psychology. Among the 15 hours of Education required the student may elect a two-hour course in special methods in his major subject; such course must, however, meet the approval of the head of the department of Educational Theory and Practice.

Regents' Rules Regarding University Teachers' Certificates—(1) Each candidate for a teachers' certificate shall submit to the State Superintendent of Public Instruction, for his approval, a detailed report showing the academic and professional preparation of the candidate, including both secondary and collegiate courses, properly authenticated by the Registrar of the University of Nebraska and the

Dean of the college in which the student is matriculated. (2) Teachers' certificates issued by the University of Nebraska shall contain a full record showing the amount and the character of the student's work, secondary and collegiate, as shown by the records of the Registrar's office.

For intending teachers of such technical subjects as Agriculture, Domestic Science (Home Economics), Manual Training, Physical Education, Music, etc., special provision is made by these various departments.

Certification Committee—All general questions relating to the student's work for the University Teachers' Certificates are under the supervision of the Committee on Teachers' Certificates as named in the standing committees of the Teachers College. Recommendations for the certificate are made to the Faculty of the Teachers College thru this committee.

Bureau on Recommendation of Teachers—The University maintains a bureau under the direction of a committee, to assist students and graduates in securing positions as teachers and at the same time to aid superintendents and boards of education in providing schools with competent and suitable teaching talent. For information address the secretary of the Bureau on Recommendation of Teachers.

NEBRASKA CERTIFICATION LAWS

The laws of the State of Nebraska concerning the certification of teachers contain the following provisions:

University Professional State Certificate—"That all graduates of the University of Nebraska holding a degree of bachelor of arts or bachelor of science, and in addition thereto, certificates authorized by the board of regents showing that such graduates have completed the course of instruction prescribed by the regents and faculty of said university, for the special training and instruction of teachers, and such other graduates as hold the same degrees from any college or university duly incorporated under the laws of the State of Nebraska, who, in the judgment of the state superintendent of public instruction, have completed in their respective institutions an equivalent of the courses in the state university, for said degrees prescribed by the regents and faculty of said university, shall be accredited as qualified teachers within the meaning of the school law of this state; and all such graduates shall have equal privileges, upon equal conditions, with graduates from any and all other educational institutions within this state under the school law thereof. Said certificates are hereby declared to be valid as certificates of the first grade to teach in the public schools of the State of Nebraska for a period of three years from their date." (Sec. 1a, subd. IX, S. L. 1905.)

University Life Certificate—"After three years of actual teaching, the certificates of the graduates of the University of Nebraska, or of any other college or university mentioned or described in section 1a of this act, shall be countersigned by the state superintendent of public instruction upon satisfactory evidence that the services of the applicant have been successful; Provided, that said counter-signature may be cancelled and its legal effect annulled by the superintendent of public instruction upon satisfactory evidence of disqualification; Provided, further, that such certificates shall be subject to the provisions for lapsing set forth in Section 4, Subdivision 9, of Chapter 79 of the Compiled Statutes of Nebraska for the year 1899." (Sec. 1b, subd. IX, S. L. 1905.)

Junior Certificate—Candidates meeting full entrance requirements and completing two years work (60 college hours), including the professional studies prescribed for the training of teachers are upon the recommendation of the faculty of the Teachers College granted by the Board of Regents the Junior Certificate, a first grade state certificate entitling the holder to all rights, privileges and benefits provided by article XIV, Sec. 177, School Laws of Nebraska, 1917.

Special Supervisor's Certificate—Candidates completing in addition to academic work the professional courses prescribed by the Board of Regents in such technical departments as Agriculture, Home Economics, Physical Education, and the Fine Arts, are granted the Special Supervisor's Certificate in compliance with Article XIII, Section 157, School Laws of Nebraska, 1917.

The College of Agriculture provides technical courses which are so supplemented by special courses in the Teachers College as to meet the requirements of the Smith-Hughes Act and the state school laws of Nebraska in qualifying them as instructors and supervisors in agriculture, home economics and allied sciences.

Persons preferring to teach such special branches as manual training, physical education and the fine arts are provided in other schools technical courses which are so supplemented by special work in the Teachers College as to meet the requirements of the state school laws in qualifying them as instructors and special supervisors in their chosen subjects.

First Grade County Certificate Without Examination on College Graduation, with Experience or Professional Training—"The county superintendent may, at his discretion, grant a first-grade certificate, without examination, to a graduate of a college, university, or state normal school, subject to such rules and regulations as may be prescribed by the state superintendent of public instruction." (Sec. 11, subd. IXa, S. L. 1911.) The following requirements have been prescribed by the state superintendent governing the issuance of this

certificate: (1) One year's successful experience in teaching; or (2) four hours of school management; four hours in general methodology; and four hours in elective work in history of education, child study, school hygiene, educational psychology, or other pedagogical subjects.

County Certificate, with less than complete examination—"Graduates who have not had one year's experience or taken the aforesaid twelve hours in professional training will be required to take the regular teachers' examination in reading, arithmetic, grammar, geography, United States history, drawing, orthography, penmanship, mental arithmetic, and theory and art of teaching. Graduates who cannot present college or university credit in algebra, botany, geometry, physics, agriculture, civics, English composition, bookkeeping and physiology, equal to that required at the University of Nebraska for full entrance to the freshman year in the institution, will be required to take in addition the regular teachers' examination in said subjects."

THE TEACHERS COLLEGE HIGH SCHOOL

The High School—The Teachers College High School is an accredited four-year high school approved by the North Central Association of Colleges and Secondary Schools. It is now located in the University Temple but it will occupy its quarters in the new Teachers College building in the fall. This building costing one hundred and fifty thousand dollars is located at Fourteenth and S streets. The first three floors will be used exclusively by the Teachers College High School, and will provide a plant that represents ideal housing for a school of this kind. Ventilation and lighting will be by the most approved methods. The first floor will be quipped with the most modern and complete appliances for Domestic Science and Manual Training. On the second floor will be three large laboratories for the sciences, together with class rooms for the same. A well equipped Commercial Department will also occupy rooms on this floor. The general classrooms and supervisors' offices will occupy the third floor. A large well equipped library and study room will also be found on this floor. The fourth floor will be given over to the Teachers College.

Senior Observation and Practice in the High School—The High School first serves as a model secondary school for instruction according to the most advanced methods, and secondly as a laboratory for the study of practical problems in teaching and school administration. Seniors in the Teachers College are required to observe the conduct of the model school and to make a critical study of its educational aims, values and processes, the results of which are summarized and discussed in the class rooms. When the student has become familiar with the pedagogical work of the class observed he is required to select

material and organize subject matter in lessons and assist in instruction; but in no case is a student teacher permitted to instruct in a subject that has not been made by him a major subject in University work.

A Tuition Fee of \$13.50 a semester is charged each pupil registered in the Teachers College High School.

Special Training Courses for Teachers—Several departments in the Teachers College also offer special methods in which they parallel their class-room theoretical work with practice work in the Training School. Such work is offered in the following subjects: Agriculture, Botany, Agronomy, American History, Chemistry, English Language and Literature, European History, Geography, Geology, German, Mathematics, Physics, Political Science, Roman History and Literature. See "Courses of Instruction."

Lincoln City Schools—In addition to this model Training School maintained and controlled by the Teachers College, excellent facilities for observation of expert teaching are afforded by the city schools of Lincoln.

DEPARTMENTAL METHODS COURSES

Many of the departments of the Teachers College offer special courses giving instruction as to methods of teaching the subject matter peculiar to those departments. With the approval of the head of the department of Educational Theory and Practice, two hours of such department method work in the student's major subject may be substituted for two hours of the required work in education. Courses of this kind offered for the current year may be found as follows: Under "Courses of Instruction"; Agricultural Education 2; Agricultural Engineering 22; Agronomy 17, 18, 71, 72; American History 11, 12; Animal Husbandry 16; Botany 33, 34; Chemistry 15, 16; Dairy Husbandry 17; Economics 4; Elocution 59, 60; English Language and Literature 29, 29a, 30, 30a, 31, 31a; European History 45, 46; Fine Arts 9, 10; Geography 5, 7, 11; Geology 4; German 21; Home Economics 13, 14; Mathematics 9, 9a; Music 3, 4; Physical Education 17, 18; Physics 15, 16; Physiology 14, 15; Political Science 21, 35, 36; Rhetoric 32; Roman History and Literature 13, 14; Romance Language 11, 12; Secondary Education 37; Slavonic 15, 16; Zoology 9, 39.

REQUIREMENTS FOR THE UNIVERSITY TEACHERS' CERTIFICATE

For the University Teachers' Certificate, the following professional courses are required: 1, 2, 4 or 16, and 19 or 20 or 21; also, such additional work as will give a total of 15 hours in technical education. Among the latter requirements, the student may substitute a two-

hour special methods course in the department of his major subject on the approval of the Dean. Intending teachers should at the time of registration confer with the Dean of the Teachers College, that the courses may be properly arranged for the University Teachers' Certificate or for the particular certificate sought.

SPECIALIZATION

Opportunities are offered students desiring to prepare for supervisors in such special subjects as domestic science, domestic art, the manual arts, drawing, music, physical education, agricultural education, commercial education and high school instructorships. These technical courses lead to the supervisor's city state certificate.

SPECIAL ONE-YEAR AND TWO-YEAR TEACHERS' COURSES IN TECHNICAL SUBJECTS

Special courses as follows may be arranged on consultation with the Dean: Agriculture, Manual Training, Physical Training, Drawing and Modeling, Oral Reading, Public Speaking and Dramatic Interpretation. These are intended for high or normal school teachers and others preparing to become such, who, for any reason, find it impossible to take the full course for a bachelor's degree, which lays a more ample foundation. Those who enter any of these courses are presupposed to be able at least to meet the requirements for "Adult Special" registration.

COURSES OF INSTRUCTION

General Courses—The courses of instruction in the Teachers College run parallel in the first year with those of the College of Arts and Sciences, altho the curriculum may include groups from the other colleges according to the election of the candidate. The aim is to give the student a liberal academic training before he begins his technical studies. In order that the candidate for the University Teachers' Certificate may have a proper foundation for the professional subjects of Sophomore, Junior and Senior years, the academic courses are selective and must follow a definite sequence. In general the courses are broadly educational rather than narrowly so. The exceptions are the subjects purposely pursued with intensive aim. See "Courses of Instruction" on later pages of this catalog.

Courses of Instruction

**The College of Agriculture; The College of Arts and
Sciences, Including the Schools of Commerce and
Fine Arts; The College of Engineering; The
Graduate College, Including the Grad-
uate School of Education; The
College of Law; The College
of Medicine; The College
of Pharmacy; The
Teachers College**

COURSES OF INSTRUCTION

Explanatory Note

Courses included between brackets [] are not given in 1918-1919. Students must consult advisers before registering.

AGRICULTURAL COURSES

AGRICULTURAL EDUCATION

(See "Education Courses.")

AGRICULTURAL ENGINEERING

Professor Chase (*Head of Department*), Professor Seaton¹, Associate Professor Brackett, Assistant Professor Baer, Assistant Professor Wood, Assistant Professor Sjogren, Mr. W. Runnalls, Mr. Jose, Mr. L. Runnalls

PRIMARILY FOR UNDERGRADUATES

1. **Carpentry**—Practice with the care, use and adjustment of tools, exercises in bench work, farm equipment and farm building construction. Open to all. Six hours laboratory. Two hours credit. First and second semesters. Baer, ———

2. **Forge Work**—Practice in forging, welding, tempering, pipe fitting, babbitting, chipping, and repairing of farm machinery. Open to all. Six hours attendance. Two hours credit. Second semester. W. Runnalls

3. **Farm Machinery**—The practical study of all lines of agricultural implements, tillage, seeding, harvesting, threshing, and fertilizing machinery. Open to all. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First and second semesters. Brackett

4. **Farm Motors**—The practical study of farm motors, the horse, windmill, steam boilers, steam engines, traction engines, gasoline engines, electric motors. Open to all. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First and second semesters. Brackett, Sjogren

14. **Spraying Machinery**—The design of spraying outfits, practice with the gasoline engine, mixers and pumps, the study of nozzles. Must be taken in connection with Horticulture 5. Three hours laboratory. One hour credit. Second semester. Brackett, Sjogren

¹Temporarily transferred to Mechanical Engineering Department.

15. **Automobiles, Theory and Practice**—A study of automobiles, and motor truck engines, ignition systems, carburetors, transmissions and differentials and the care and use of such machines. Open to all. Two hours attendance. Four hours preparation. Three hours laboratory. Three hours credit. First and second semesters.

Brackett, L. Runnalls

17. **Advanced Forge Work**—2 continued. Special studies in welding with gas, in steel work and machine repairing. Prerequisite: Course 2. Six hours laboratory. Two hours credit. First semester.

W. Runnalls

18. **Advanced Carpentry**—Course 1 continued. Building construction, cabinet work and furniture making. Prerequisite: Course 1 or M. E. 1. Six hours laboratory. Two hours credit. Second semester.

Baer

23. **Miscellaneous Mechanics**—A laboratory course in belt lacing, rope splicing, babbitting, soldering, pipe fitting and acetylene welding. Open to all. Three hours laboratory. One hour credit. First semester.

Sjogren

24. **Graphics**—Studies in graphic representation of data, curve plotting, curve analysis, blocking and diagramming data, etc. Open to all but planned especially for agricultural students. One hour attendance and preparation. Two hours drawing. One hour credit. Second semester.

Chase

FOR WOMEN

31. **Wood Work and Interior Finishing**—Practice at the bench with light carpenter tools and the care of edged tools for the home. Work in the construction of furniture, painting, oiling, and finishing the same. Instruction in the planning of the home, the designing, selecting and care of the interior finish. One hour attendance. Two hours practice. One hour credit. First semester.

Baer, ———

33. **House Planning**—A course in house design. Lectures cover arrangement of rooms, heating, lighting, ventilation, plumbing, sewage disposal, water works, fireplaces, stairways, labor-saving devices, etc. To be taken in connection with Home Economics 9. One hour attendance. Two hours drawing. One hour credit. First semester.

Baer

FOR UNDERGRADUATES AND GRADUATES

5. **Rural Architecture**—The arrangement of farm buildings and the farmstead, preparation of plans for unimproved farms and for rearrangement and additions to buildings on improved farms. Design and production of working drawings for the various farm structures. Design of beams and columns, method of construction and use of materials in timber, masonry and reinforced concrete work. Engineers. Two hours attendance. Four hours preparation. Three hours drawing. Three hours credit. First semester.

Sjogren

6. **Irrigation and Drainage Engineering (C. E. 12)**—Sources of water supply, canals, seepage, irrigation by pumping, surveys and designs, legal and economic principles. Drainage: Field and class work in land drainage, surveys and preparation of plans and estimates of excavation, material and labor costs, study of drainage laws. Advanced engineers only. Three hours attendance. Six hours preparation. Three hours drawing. Four hours credit. Second semester. Stout, Sjogren

7. **Rural Architecture**—The arrangement, design and construction of farm buildings with special emphasis on planning the home, the farmstead, horse barns, dairy buildings, barns and yards, hog houses, granaries, silos, machine sheds, ice houses, fences, etc. For advanced students other than engineers. Two hours attendance. Two hours preparation. Five hours field work and drawing. Three hours credit. First semester. Chase

8. **Irrigation, Drainage and Rural Highways**—Irrigation from the water user's standpoint, requirements for different crops, sources of supply, canals, seepage, pumping irrigation. Drainage: Study of different systems and methods of installation,—practice in the use of surveying instruments both in drainage and general field work. Rural highways, road laws and the construction and maintenance of roads. Advanced students other than engineers. Prerequisite: Agronomy 51. Two hours attendance. Two hours preparation. Five hours field work and drawing. Three hours credit. Second semester. Sjogren

9. **Advanced Farm Machinery**—Laboratory work in the testing of field machines under various conditions. The testing of grinders, shellers, twine, etc. Prerequisite: Courses 3 and 24. Six hours laboratory. Two hours credit. First semester. Brackett, Sjogren

10. **Advanced Farm Motors**—The construction of motor testing apparatus and the complete tests of farm motors, both in the field and laboratory. Prerequisite: Course 4 or M. E. 10, and in connection with M. E. 16. Six hours laboratory. Two hours credit. Second semester. Brackett, Sjogren

11. **Domestic Engineering**—Studies in illumination and illuminating materials, freezing and heating materials, ventilating systems, water systems, sewerage and sewage disposal plants. Prerequisite: Physics 1 and 2 or 11 and 12; Chemistry. Three hours attendance. Six hours preparation. Three hours credit. First semester. Chase

12. **Domestic Engineering Laboratory**—Practice in plumbing, testing of fuels, heating systems, illuminating systems, ventilating systems, pumping systems, etc. Prerequisite: Course 11 or by permission. Six hours laboratory. Two hours credit. Second semester. Chase, Sjogren

16. Automobile Design—Special study of current practice in design of the various parts. Drawings and specifications for manufacture by assembling standard products of established manufacturers. Engineers only. Prerequisite: Course 15. Three hours attendance. Three hours preparation. Three hours designing. Three hours credit. Second semester. Bræckett

19. Research Work in Rural Architecture, Farm Drainage and Rural Highways—There is a broad field for original investigation in the following subjects; drainage, water supplies, lighting, heating, building materials, efficiency gained by proper arrangement of farm buildings, road construction and sewerage. Prerequisite: Courses 5 and 6 or 7 and 8. Six to fifteen hours laboratory or reading. Two to five hours credit. Chase, Baer, Sjogren

20. Research Work in Farm Machinery, Farm Motors and Farm Equipment—The large equipment of machinery in the department gives an excellent opportunity for testing both in the laboratory and in the field, standardizing, traction tests, calibration and economic tests of both farm machinery and farm motors. Prerequisite: Courses 3 and 4. Six to fifteen hours laboratory or reading. Two to five hours credit. Chase, Sjogren

22. Normal Course in Manual Training—An advanced course in carpentry which deals with laboratory equipment for small and large classes, with planning courses, with designing and working up exercises. Prerequisite: Course 1 or 31. Three hours laboratory. Three hours outside work. Two hours credit. Second semester. Baer

23. General Mechanics—A laboratory course in belt lacing, rope splicing, babbitting, soldering, pipe fitting and acetylene welding. Three hours laboratory. One hour credit. First semester. Sjogren

FOR WOMEN

32. Wood Work and Interior Finishing—Course 31 continued, but with hard woods. Prerequisite: Course 31. One hour attendance. Two hours practice. One hour credit. Second semester. Baer

34. House Planning—Course 33 continued. One hour attendance. Two hours drawing. One hour credit. Second semester. Baer

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

AGRICULTURAL EXTENSION

Professor Pugsley, Departmental Specialists

2. Extension Methods—A study of Agricultural Extension organization and work, and of the presentation of agricultural and home economics subjects by extension methods. Training given in the prepara-

tion and use of subject matter for extension instruction. Special emphasis is laid upon the value, preparation and use of illustrative and demonstrational material. Open only to juniors and seniors recommended by heads of departments in which they are majoring, or by special permission. Each hour of credit will require, in addition to the study of extension methods, the preparation, illustration and delivery before the class of a lecture on some subject to be agreed upon by student and head of department concerned. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Pugsley

AGRONOMY

Professor Burr (*Head of Department*), Professor Kiesselbach, (Experimental), Professor Hopt, Associate Professor Gaddis, Associate Professor Keim, Mr. Anderson and Assistants

Students should have or take at least one year's work in Botany and Chemistry. Courses are offered to meet the needs of (1) those students taking general courses, or interested in farm operations or the management of land; (2) those fitting themselves to be agricultural teachers or investigators.

CROPS

1. **Forage Crop Management**—An elementary and general course in the management of common and important forage crops, with special reference to Nebraska conditions. Classification, distribution and adaptation of common forage plants. Methods by which good seed may be secured. The seeding, care, harvesting and best use of forage crops, including those used for pasture, studied in considerable detail. Special attention given to identification of forage crop plants and seeds also of the more common or dangerous adulterants and weed seeds found in same. Two hours lecture. Four hours laboratory. Three hours preparation. Three hours credit. First semester.

Hopt, Anderson, Assistants

2. **Cereal Crop Management**—An elementary and general course in the management of cereal crops with special reference to Nebraska conditions. Each of the great cereals studied with reference to adaptation, seed-bed preparation, seeding, cultivation and harvest. Improvement of field crop plants thru the simpler forms of breeding. Laboratory practice in identifying and describing the various types and varieties of cereals. Scoring, judging and grading grain. Two hours lecture. Four hours laboratory. Six hours preparation. Four hours credit. Second semester.

Hopt, Anderson, Assistants

3. **The Minor Field Crops in Nebraska**—A critical study of such special, minor and new crops as broomcorn, sugarbeets, flax, hemp, buckwheat, soybeans, cowpeas, sweet clover, chick peas, feterita and

Sudan grass. The culture of these plants, especially under Nebraska conditions, is taken up in considerable detail. The weaknesses and strong points as well as the special uses and adaptations of each of these crops are pointed out. Prerequisite: Courses 1, 2, 51 and 52. Two hours lecture. Four hours preparation. Two hours credit. First semester.

Hopt

4. Field Crop Plant and Practices—The history and evolution of field crop plants and field crop practices. The relation of farming methods to food supply and human progress. The origin, domestication and evolution of field crop plants. Relationships, classification and nomenclature. Prerequisite: Courses 1, 2, 51 and 52. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Hopt

5. Dry Farming—Environmental—A critical study of soil and climate—the fundamental environmental factors which underlie dry farming. Rainfall, heat, humidity, wind, evaporation, altitude and latitude. Psychology in its relation to theory, practice and history in the dry farming country. Dry farming regions compared. Designed for students from western Nebraska and other nearby dry farming sections, and for students who are planning to locate in these regions. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Hopt

6. Dry Farming—Practice—Course 5 continued. A constructive study of dry farming problems and methods—as based on the recent experimental data and the everyday practice of old and successful dry farmers. Special emphasis is given to practice in the more central part of the "Great Plains Area." A discriminating study of the various cultural methods, and of the various groups, species, types and varieties of crops possible to use in dry farming. Selecting and breeding plants to meet certain dry farming conditions. Homesteading, pioneering and marketing. Farming for profit. Prerequisite: Course 5 or entrance by special permission. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Hopt

8. Field Crop Technology—Problems and methods relating to the more technical phases of field crops. Field crop experimentation, teaching and demonstration. The breeding of field crop plants. Government service. Intended only for students who are specializing in agronomy. Prerequisite: Courses 1, 2, 51 and 52. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Hopt

9. Field Crop Products—A study of the disposition of field crops in commercial and industrial forms. Seed and grain business. Manufacture of wheat, oats, corn, flax, alfalfa and other field crops into the various finished products. The work includes lectures and readings as

well as visits to important commercial concerns. Two hours credit. First semester. Hopt

10. **Field Crop Management**—The management of the more important cereal and forage crops—with special reference to Nebraska conditions. A brief practical course for students who are not registered in the College of Agriculture and cannot take the more thoro courses 1 and 2. Students in the College of Agriculture may take this course only by permission of the instructor. Two hours attendance. Four hours preparation. No laboratory. Two hours credit. Second semester. Hopt

11. **Forage Crop References**—Assigned forage crop readings. A thoro study of Piper's "Forage Plants and Their Culture," and of various readings in other texts and bulletins. These text studies and reference readings are essentially those required as supplementary work in course 1. This course is open only to School of Agriculture students who have completed courses A, B, C and D, and whose records in the department are entirely satisfactory. Two hours attendance. Four hours preparation. Two hours credit. First semester. Hopt

12. **Cereal Crop References**—This course bears the same relation to course 2, that the course "Forage Crop References" does to course 1. The plan of the work and the prerequisite are the same in this course as in course 11. Two texts are used—Montgomery's "The Corn Crops" and Carleton's "The Small Grains." Two hours attendance. Four hours preparation. Two hours credit. Second semester. Hopt

17. **Laboratory Practice**—Practice in the teaching of laboratory classes in secondary school work. With the teaching is included the care and handling of necessary laboratory supplies. Registration only by arrangement with the instructor. Two hours credit. First semester. Hopt, Anderson

18. **Laboratory Practice**—Course 17 continued. Second semester.

21. **Crop Problems**—Special problems in crop investigation. Open only to men of adequate training and who are graduates or upper classmen. Registration only by arrangement with instructor. Credit according to work. First semester. Burr, Hopt

22. **Crop Problems**—Course 21 continued. Second semester.

SOILS

51. **General Soils**—A study of the physical properties of soils and their importance to plant growth. The origin of soils; the physical characteristics of surface soils and subsoils; soil regions of Nebraska; soil classification and mechanical analysis; soil structure and means of modifying it; soil water, its movement, use and control; soil temperature and aeration; tillage. The laboratory exercises are outlined to illustrate the more important properties of soils discussed in the lecture

room. Two hours lecture. Four hours laboratory. Six hours preparation. Four hours credit. First and second semesters.

Gaddis and Assistants

52. General Soils—Course 51 continued. A study of plant food materials in soils and brief consideration of soil problems of importance to Nebraska farmers. Plant food elements and their availability; use and interpretation of chemical analyses; organic matter and its functions in the soil; care and use of farm manures; commercial fertilizers; crop rotations; micro-organisms; their importance and functions; soil problems. Prerequisite: Course 51. Two hours lecture. Four hours laboratory. Six hours preparation. Four hours credit. First and second semesters.

Gaddis and Assistants

55. Soil Management—A practical course in the management of soils, with special reference to fertility. Field studies of acid and alkali soils and corrective measures for same; special study of lime in its different forms; a study of the effects of manuring, crop rotation and other methods of increasing soil fertility; management of meadow, pasture, orchard, garden and lawn soils. Prerequisite: Courses 1, 2, 51 and 52. One hour lecture. Field trips to be arranged. Two hours credit. First semester.

Gaddis

56. Soil Management—Course 55 continued. Field studies of problems in soil physics. Soil moisture, including drainage and irrigation; erosion; sandy, clayey, gumbo and stony soils; hardpan; gravel; timber, river and island soils. Prerequisite: Courses 1, 2, 51 and 52. One hour lecture. Field trips to be arranged. Two hours credit. Second semester.

Gaddis

63. Soil Survey and Investigation—A study of soil survey work as carried on by the United States Bureau of Soils and by various states. The soil survey in its relation to regional problems and to the need and method of experimentation; climatic and soil differences which should be considered in the interpretation of experimental data; investigational work in soils in the various states. Prerequisite: Courses 1, 2, 51 and 52. One hour lecture. Field practice in mapping soils. Two hours credit. First semester.

Gaddis and Assistants

66. Agricultural Lands—A discussion of soil, climatic and economic conditions in different regions. Problems in the handling of worn lands and in the opening up of new lands; opportunities in semi-arid regions, "cut-over" country, swamps and other marginal lands as compared with opportunities under more favorable conditions; possibilities of obtaining land in such marginal regions; opportunities under irrigation projects. Prerequisite: Courses 1, 2, 51 and 52. Two hours lecture. Two hours credit. Second semester.

Burr, Gaddis

70. Soils Education—Soils instruction as a part of our educational system; methods of presenting the work; outlines for use in high school and grades; a critical examination of soils literature, including government and state bulletins, magazines and farm papers; preparation of bibliographies; the soils library. Designed for students preparing to teach under the Smith-Hughes act and for all interested in the examination and classification of soils literature. Prerequisite: Courses 1, 2, 51 and 52. Two hours lecture. Four hours preparation. Two hours credit. Second semester. Gaddis

71. Laboratory Practice in Soils—Practice in the teaching of soils laboratory work in secondary schools. Management of the storeroom; ordering and care of equipment and supplies. Registration only by arrangement with the instructor. Two hours credit. First semester. Gaddis and Assistants

72. Laboratory Practice in Soils—Course 71 continued. Second semester.

75. Current Soils Literature—A study of technical soil bulletins. Assigned readings in current issues of the leading Agronomic journals. Designed for assistants and graduate students majoring in soils. Prerequisite: Courses 1, 2, 51 and 52. One hour of reports and discussions. One or two hours credit. First semester. Gaddis

76. Current Soils Literature—Course 75 continued. Second semester.

79. Soil Research—Assignment of special problems in soils investigation for individual work. Reports and thesis required. Open only to seniors and graduate students. Registration by arrangement with instructor. Prerequisites: Courses 1, 2, 51 and 52. Credit according to work. First semester. Burr, Gaddis

80. Soil Research—79 continued. Second semester.

Seminar

101. Agronomy Seminar—Presentation and discussion of various agronomic subjects. Reviews of the latest and most important literature and data in agronomy. One hour attendance. One hour credit. Prerequisite: Courses 1, 2, 51 and 52. Open only to juniors, seniors and graduates. First semester.

102. Agronomy Seminar—Course 101 continued. Second semester.

Summer Session

201. Agronomy—A general course in soils and cereal crops, designed primarily for those preparing to teach agriculture in secondary schools. Laboratory practice with a series of carefully written exer-

cises and prepared materials which have recently been made available to public schools. In this course it is the intention to present as much as possible of the fundamental courses 2 and 51. Five hours lecture. Twenty hours preparation and laboratory. Four hours credit. Summer session.

Hopt, Gaddis

202. **Agronomy**—A course in forage crops and soils designed for those who have had Agronomy 201 and desire additional work in Agronomy. Prerequisite: Course 201. Five hours lecture. Twenty hours preparation and laboratory. Four hours credit. Summer session.

Hopt, Gaddis

Experimentation

PRIMARILY FOR GRADUATES

Students taking these courses must have completed all general courses in Agronomy and Farm Management.

301. **Investigation**—Satisfactory work on some special line of investigation with assigned readings. Six to twenty hours laboratory. Thesis required. Two to five hours credit. First semester.

Kiesselbach

302. **Investigation**—Course 301 continued. Second semester.

303. **Methods of Investigation**—Compilation of experimental data. Correlation tables. Statistical methods. Six to twenty hours laboratory. Two to five hours credit.

Kiesselbach

304. **Methods of Investigation**—Course 303 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

ANIMAL HUSBANDRY

Professor Gramlich (*Head of Department*), Professor Mussehl (Poultry), Associate Professor Warner, (Extension Specialist), Assistant Professor Pier, Assistant Professor Jenkins

PRIMARILY FOR UNDERGRADUATES

1. **Market Type of Live Stock**—A study of the types of market animals. Specimens representing the various classes of feeder and finished stock used in the classroom for judging purposes. The study of carcasses illustrated by meat-cutting demonstrations. The lecture work will embody a study of the qualifications necessary to good carcasses and of the methods of handling live stock at market centers. Two hours lecture. Four hours judging. Six hours preparation. Four hours credit. First and second semesters.

Pier, Jenkins

2. Judging Breeding Animals—This course is a continuation of course 1 except that classes of breeding animals are judged rather than fat specimens of each type. The breed requirements and characteristics are emphasized. Four hours judging. Two hours preparation. Two hours credit. First and second semesters. Pier, Jenkins

4. Live Stock Feeding—A study of feeds and their compounding into rations for the various classes of farm animals. Two hours attendance. Four hours preparation. Two hours credit. First and second semesters. Pier, Jenkins

5. Animal Nutrition—Methods employed in conducting experimental feeding. A study of experiment station bulletins. Preparation of coarse fodders. Grinding, steaming and cooking of feeding stuffs. Prerequisite: Course 4 and Chemistry 1; Chemistry 2 required or can be taken at the same time. Two hours attendance. Four hours preparation. Two hours credit. First semester. Gramlich, Jenkins

6. Animal Nutrition—General composition of the animal body. Digestion, absorption, metabolism and secretion. Influence of food on animal form and on quality of meat and milk. Prerequisite: Course 5 and Chemistry 103. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Jenkins

7. Animal Breeding—Embraces general principles of breeding, selection and heredity. Includes a historical study of old and modern theories. Prerequisite: Course 1 and Zoology 1, 2. Two hours attendance. Four hours preparation. Two hours credit. First semester. Pier

8. Animal Breeding—Discussion of recent experiments in animal breeding. Practical points in breeding. Study of line breeding and in-breeding. Attention given to important breeding laws. Study of herd book regulations. Prerequisite: Course 7. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Pier

9. Judging Live Stock—Advanced course in judging with special attention given to the study of breed type. Prerequisite: Courses 1 and 2. Two hours attendance. One hour preparation. One hour credit. First semester. Pier

10. Judging Live Stock—Continuation of 9. Prerequisite: Course 9. Two hours attendance. One hour preparation. One hour credit. Second semester. Pier

10a. Advanced Live Stock Judging—This course is given more especially for juniors who have had courses 1, 2, 9 and 10 and who contemplate taking course 11 in their senior year. Two hours attendance. One hour credit. Second semester. Gramlich

11. Judging Live Stock—Continuation of 9 and 10, with especial attention given to comparison and judging of animals of different ages

and also to group judging. Prerequisite: Course 10. Two hours attendance. One hour preparation. One or two hours credit. First semester.

Gramlich

12. **Animal Husbandry—Seminar**—Prerequisite:: Courses 4, 5, 6, 7, 8. Two hours attendance. Two to ten hours preparation. One to five hours credit. Second semester.

Gramlich, Pier

13. **Live Stock Management**—Care and management of hogs and sheep. Prerequisite: Course 4, unless otherwise arranged. Two hours attendance. Two hours laboratory. Four hours preparation. Three hours credit. First semester.

Gramlich

14. **Live Stock Management**—Continuation of 13. Care and management of the breeding herd of beef cattle and horses. Prerequisite: Course 4, unless otherwise arranged. Four hours preparation. Two hours attendance. Two hours laboratory. Three hours credit. Second semester.

Gramlich

15. **Pedigrees**—A study of the registration of pure bred animals. Historical study of the various breed associations together with familiarization with their rules and methods. Practice in the tracing of pedigrees. Prerequisite: Courses 1 and 2. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Gramlich

16. **Laboratory Practice**—Practice in teaching Animal Husbandry subjects in secondary school work. Registration only by arrangement with instructor. Two hours credit. Second semester.

Gramlich

Poultry Husbandry

Professor Mussehl

1. **Poultry Management**—This course deals with the problems of general poultry production. A textbook is used, supplemented with lectures, demonstrations and two hours of laboratory work each week. Poultry breeds and types, house construction, practical poultry feeding, incubation and brooding and preparation of market poultry and eggs, are treated in this general course. Two hours lecture. Two hours laboratory. Two hours credit. Second semester.

Mussehl

2. **Poultry Judging and Breeding**—Breeds and types of standard bred poultry are judged by score card and comparison. The art and science of poultry breeding is discussed in the lectures. Inheritance of egg production, comb, color and types are covered in particular. One hour lecture. Two hours laboratory. Two hours credit. First semester.

Mussehl

3. **Incubation and Brooding**—Each student does practical work in operating an incubator and brooder and feeding baby chicks, keeping

records and making observations. Time to be arranged. One, two or three hours credit. Second semester. Mussehl

4. **Market Poultry and Market Eggs**—This course deals with the handling of the two most important poultry products, meats and eggs. Practice and demonstrations in crate feeding poultry, dry picking, trussing and boning. Grading and candling market eggs. One hour lecture. Two hours laboratory. Two hours credit. First semester. Mussehl

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

ANIMAL PATHOLOGY AND HYGIENE

Professor Van Es (*Head of Department*), Professor Gain

1. **Diseases of Farm Animals**—Contagious diseases are studied with reference to the best methods of preventing and eradicating tuberculosis, hog cholera and contagious abortion, and the intelligent cooperation with the veterinarian in this work. Students are taught how to splice ropes, make rope halters and all of the different knots used on the farm and ranch. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Gain

DAIRY HUSBANDRY

Professor Frandsen (*Head of Department*), Assistant Professor Nevins, Assistant Professor Thorson, Assistant Professor Luithly, Assistant Professor Rovner, Mr. Thompson

1. **Principles of Dairying**—The object of this course is to give such fundamental training in dairying as will be of practical value to the student and at the same time prepare him for more thoro work in the dairy courses which follow. This course deals with the characteristics and composition of milk, factors influencing the amount and composition of milk, physiology of milk secretion, breeds of dairy cattle, testing of milk and cream by the Babcock method, cream separation, cream ripening, principles of buttermaking and dairy sanitation. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First semester. Frandsen, Thorson, Nevins.

2. **Principles of Dairying**—Course 1 continued. Second semester.

3. **Milk Production**—This course covers the field of Dairy Husbandry in its relation to the producer. It consists of two lectures a week and one laboratory period. Lectures cover matter relating to the leading breeds of dairy cattle, their characteristics and adaptation for dairy purposes; the selection, breeding and building up of the dairy herd; selection of the dairy sire; calf raising; proper care of dairy

cattle; use of silo; the feeding of dairy animals with special reference to economical milk production. Laboratory work includes the judging of dairy cattle from a production standpoint; a study of milking machines, barn arrangements and herd management. Prerequisite: Courses 1 and 2. Course 5 should be taken in connection. Two hours attendance. Four hours preparation. Three hours laboratory. Three hours credit. First semester.

Nevens, Thompson

4. **Butter Making**—This course includes a general study of the composition of dairy products, separation and acidity of milk, the preparation of starters, ripening of cream, churning, and the packing of butter. Prerequisite: Courses 1 and 2. Two hours attendance. Four hours preparation. Three hours laboratory. Three hours credit. Second semester.

Frandsen, Thorson

5. **Dairy Judging**—The object of this course is to enable the student to fix in his mind the types of cattle that are profitable producers of dairy products. The greater part of the work is done by comparative judging, using the Ayrshires, Guernseys, Holsteins and Jerseys of the College herd and those of nearby herds. Prerequisite: Courses 1 and 2. Should be taken in connection with course 3. Three hours laboratory. One hour credit. First semester.

Nevens, Thompson

6. **Advanced Dairy Judging**—5 continued. Prerequisite: Course 5. One hour preparation and two hours laboratory. One hour credit. Second semester.

Frandsen

7. **Milk Testing and Inspection**—This course consists of a study of the Babcock test for fat in milk and cream. It includes work with the various tests for moisture in butter, also a careful study of the methods for detecting preservatives and adulterations in dairy products, as well as the best methods of taking samples and of testing individual cows. This course also includes a careful study of the requirements necessary for the production of sanitary and certified milk. Prerequisite: Courses 1 and 2. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First semester.

Frandsen

8. **Ice Cream and Ices**—Elective in the Agricultural and Home Economics courses. This course consists of a study of the manufacture of ice cream and ices. Prerequisite: Courses 1 and 2 or course 12 or by special arrangement. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. Second semester.

Frandsen, Thorson

9. **Official Testing**—The object of this course is to prepare men for positions as official testers of dairy cattle for advanced registration. The course includes a study of the rules and methods of conducting

the tests; preparing of reports; individual breed requirements; and the benefits to the dairymen to be derived from official records. A portion of the time will be devoted to the study of cow testing associations. The laboratory work consists of actual practice in official testing. Prerequisite: Courses 1, 2 and 3. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First semester.

Frandsen, Lawritson

10. **Cheese Making**—A study of the importance of the quality and composition of milk in the manufacture of Cheddar cheese; the principles involved in cutting, heating, milling, maturing, salting and pressing the curd, curing and marketing; influence of organized and unorganized ferments in cheese; the construction and ventilation of cheese curing rooms. This course also includes lectures and laboratory work in the manufacture and marketing of brick, cream and cottage cheese. Prerequisite: Courses 1, 2 and 7. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. Second semester.

Thorson

12. **Domestic Dairying**—This course is especially arranged for students of the Home Economics course. The object is to give the student some practical as well as scientific knowledge concerning the care and preparation of dairy products for food purposes. The course includes lectures and laboratory work on the care of milk and cream; testing for fat, acidity, adulteration, preservatives and the general purity of milk and cream. Some work is also given in the manufacture of butter, cheese and ice creams. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. Second semester.

Frandsen, Thorson

13. **Dairy Bacteriology**—In this course the student studies the fundamental principles upon which is based the sanitary production and handling of milk, the relation of bacteria to the dairy industry in general, market milk, certified milk, sanitary milk, pasteurized milk, milk borne diseases, sources of contamination, normal and abnormal fermentations and their control. The course will deal with the bacteria more common to dairy products entirely from a practical standpoint. Prerequisite: Courses 1, 2, 7 and elementary bacteriology. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. First semester.

Frandsen

14. **Dairy Management**—The object of this course is to teach the student how best to apply the principles of Dairy Husbandry to individual farm conditions. This course will deal with the selection of the dairy farm, planning of the dairy farm, dairy farm buildings and equipment, selection and management of the dairy herd, selection of dairy feeds, disposal of dairy farm products and utilization of the by-products. Prerequisite: Courses 1, 2 and 3, Farm Management 3,

and Agricultural Engineering 3. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Frandsen, Nevens

16. Market Milk—This course includes a study of the production, handling and marketing of clean milk and cream for public consumption; dairy sanitation; sources of milk contamination; sanitary planning and equipment of dairy buildings and milk bottling plants; transportation of milk; city ordinances; state and federal laws; condensed milk; modified and fermented milks; scoring milk and cream; city milk inspection. Prerequisite: Courses 3, 7, 13. One hour attendance. Three hours preparation. Three hours laboratory. Two hours credit. Second semester.

Thorson

17. Normal Training—A general course designed especially to meet the needs of those interested in teaching agriculture in the secondary schools. The course deals with methods of instruction in teaching the breeds of dairy cattle, testing of milk and cream, principles of butter making, cheese making, ice cream making, sanitary conditions of barns and dairies. One hour attendance. Two hours preparation. Three hours laboratory. Two hours credit. First semester.

Frandsen, Nevens, Thompson

FOR UNDERGRADUATES AND GRADUATES

51. Dairy Seminar—Elective for students specializing in dairying. This course consists of a study of the work accomplished by the various experiment stations, also a review of the best foreign dairy literature. One hour attendance. Two hours preparation. One hour credit. First semester.

Frandsen

52. Dairy Seminar—Course 51 continued. Second semester.

53. Thesis—Original work and investigation on some phase of the dairy industry. Frequent conferences with instructors. Prerequisite: Senior standing. Two to four hours preparation. One or two hours credit. First or second semester.

Frandsen, Nevens

FOR GRADUATES

101. Research Methods—A critical study of the methods employed in conducting dairy experimental work at this and other stations. One hour attendance. One hour credit. First semester.

Frandsen, Nevens

102. Research Methods—Course 101 continued. Second semester.

103. Research in Milk Production—A large herd of cattle of the leading dairy breeds is available for use in studying problems of feeding, breeding, milk production, growth, and care and management of the dairy animal. This herd produces sanitary milk for the city trade and special opportunities are offered for a critical study of sanitary and certified milk production. Students especially interested are al-

lowed to assist with the investigations now under way at the Experiment Station and in certain instances may undertake special problems independently. Thesis required. First semester. Frandsen, Nevens

104. Research in Milk Production—Course 103 continued. Second semester.

105. Research in Dairy Manufactures—Opportunity and facilities are given by special arrangement to study and investigate special problems in butter making, ice cream making, cheese making and other work directly pertaining to dairy manufactures. First semester.

Frandsen, Thorson

106. Research in Dairy Manufactures—Course 105 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

ENTOMOLOGY

Professor Bruner (*Head of Department*), Professor Swenk, Assistant Professor Dawson

GENERAL INFORMATION

The department maintains a laboratory fully equipped for the use of students engaged in research work along systematic lines, and a modern insectary well provided with apparatus useful in facilitating research in economic entomology, such as breeding cages, cameras, dark room and aquaria, for those investigating the life-histories of insects. The research laboratory is supplied with compound and dissecting microscopes, microscopical accessories, camera lucida, lanterns and slides and illustrative models and charts. A collection of insects numbering approximately 270,000 pinned specimens is available for study by advanced students; it is particularly rich in Hymenoptera, Diptera and Orthoptera and contains many specimens of these orders named by specialists including a considerable number of their types. While the greater portion of the collection is representative of our state and national fauna, it is also exceedingly rich in exotic material from Argentina, Costa Rica, Mexico and the Philippine Islands collected by Professor Bruner on entomological excursions to these countries. The library contains practically complete files of all the American and the principal foreign entomological periodicals as well as most of the special monographs in the various orders, and is readily accessible to advanced students, while the excellent economic libraries of the State Entomologist and Nebraska Experiment Station are close at hand and available for reference. The results of studies carried on in the department are issued consecutively in a numbered series.

Courses 3 and 4 are open to all students, and they, or their equivalent, must precede all other college courses in entomology except 7, 7a, 8, 9, 10 and 11.

FOR UNDERGRADUATES

3. **Economic Entomology**—An introduction to the more practical phases of entomology, beginning with a consideration of the structure, physiology and metamorphosis of insects and a review of the insect orders, and following this with a presentation of the broad principles of insect damage and benefit, and the natural and artificial control of insects. Laboratory work involving the dissections of typical forms of the various orders and the rearing of insects, together with assigned readings correlated with the lectures. Three hours attendance. Six hours laboratory and preparation. Three hours credit. First semester.

Bruner

4. **Economic Entomology**—Course 3 continued. In addition, studies of various groups of conspicuously injurious insects, emphasizing their life-histories and habits and the special preventives and remedies for them. Assigned readings correlated with the lectures, and in the spring observations of the work of injurious insects in the field. Three hours attendance. Six hours laboratory and preparation. Three hours credit. Second semester.

Bruner

PRIMARILY FOR UNDERGRADUATES

5. **Systematic Entomology**—A close study of the principles and machinery of classification as applied to insects, involving a consideration of current taxonomic methods in entomology, of nomenclatural codes and of faunal areas, designed especially to acquaint the student with the literature of entomology and the approved methods of preparing data for publication as a foundation for research work in systematic entomology. Laboratory work with the various insect groups, designed to give a conception of the varying value of classificatory characters. Two hours attendance. Seven hours laboratory. Three hours credit. First semester.

Swenk

6. **Systematic Entomology**—Course 5 continued. In addition, a detailed study of entomological technique, involving methods of collecting, preparing and preserving insects for the cabinet and museum and the use of apparatus necessary in entomological work. Two hours attendance. Seven hours laboratory. Three hours credit. Swenk

7. **Farm Entomology**—A detailed consideration of the principal insect enemies of the apple, stone fruits, grape, bush fruits, strawberry and garden vegetables and of the preparation and use of insecticides and methods of spraying and fumigation. Assigned readings correlated with the lectures, and, wherever possible, field work in investi-

gating insect pests. Two hours attendance. Four or seven hours preparation. Two or three hours credit. First semester. Swenk

7a. **Live Stock Entomology**—A course taking up in detail the injuries, life-histories and habits, and modern means of prevention and destruction of the mites, ticks, lice, fleas, stable-flies, horn-flies, horse-flies, bot-flies and similar important insect pests of our domestic animals. This course is correlated with course 7 and is usually to be taken with it, but may be elected separately if desired, especially by students majoring in Animal or Dairy Husbandry. One hour attendance. Two hours preparation. One hour credit. First semester. Swenk

8. **Farm Entomology**—Course 7 continued. A similar detailed study of the principal insects injurious to corn, the small grains, alfalfa and clover, grasses, the potato and the sugar beet, and to stored vegetables and animal products, designed to give the student a thoro understanding of the means of control of all of the important pests of our cereal, forage and other field crops, and a fund of practical information on the control of injurious insects in general. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Swenk

9. **Apiculture**—A general survey of the subject including a discussion of the structure, life-history, varieties and communal life of the honey bee; methods of handling bees, formation of colonies, controlling the colony growth, rearing of queens, honey and wax production, apiary paraphernalia and the symptoms, etiology and control of bee diseases and other enemies of bees. One hour attendance. Two hours directed reading. One hour credit. First and second semesters. Bruner, Swenk

10. **Domestic Entomology**—A brief general survey of insect life, emphasizing especially the insects affecting the household, such as silver fish, cockroaches, termites, house flies, mosquitoes, fleas, house ants, clothes moths, flour and meal pests, etc., with thoro discussions of means of control. Two hours attendance. Four hours directed reading. Two hours credit. First semester. Swenk

11. **Forest Entomology**—Lectures and laboratory studies of the insects of the forest. Two hours attendance. Seven hours laboratory and preparation. Three hours credit. Second semester. Bruner

14. **Seminary**—The seminary work of the department is carried on by the Nebraska Entomological Society, an association of students specializing in entomology and taking advanced or graduate courses, meeting at intervals for the presentation of papers and the discussion of current entomological literature.

PRIMARILY FOR GRADUATES

(These courses may be registered for repeatedly until the completion of the problem.)

15. **Research in Systematic Entomology**—Independent studies under the advice of the head of the department leading to the monographing of some genus, subfamily or family of insects or the detailed study of the insect fauna of Nebraska in one of the larger groups. First semester. Bruner

16. **Research in Systematic Entomology**—Course 15 continued. Second semester.

17. **Research in Economic Entomology**—Individual investigation of some special problem in economic entomology, usually the monographing of a species or group of species of economic importance. First semester. Bruner

18. **Research in Economic Entomology**—Course 17 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

FARM MANAGEMENT

Professor Filley (*Head of Department*), Assistant Professor Spafford, Assistant Professor Medlar, Mr. Hendricks, Mr. Rhoades

Farm Management is the business side of farming. It deals with the problems which confront every farmer in the organization and management of his farm. The farm is considered as a business investment from which the owner and operator wish to secure the greatest continuous profit.

All the courses offered except courses 1 and 2 presuppose not only general agricultural knowledge but also some technical training. For this reason they are better adapted to advanced students than to first or second year men.

Students wishing to major in the department should register for course 1 at the beginning of the sophomore year. If only a year's work can be taken in Farm Management, course 3 followed by either 2 or 12 is recommended. The seminar and field survey courses offer unusually good opportunities for a limited amount of graduate work.

FOR UNDERGRADUATES AND GRADUATES

1. **Farm Documents**—This course deals with the legal phase of the farm business. Contracts, leases, deeds, mortgages, abstracts, negotiable instruments and other legal papers of which the farmer should have a working knowledge are discussed. Some time is given to those

parts of the Nebraska law, such as the provisions regarding live stock and labor, which bear most directly upon farm management problems. Open to all but freshmen. Two hours attendance. Four hours preparation. Two hours credit. First semester. Rhoades

2. **Farm Accounts**—A practical system of cost accounts for the farmer. Each student keeps a set of books which shows the cost of the various farm operations for the year, and the gain or loss upon each farm enterprise. Open to all but freshmen. Two hours lecture. Two hours laboratory. Two hours outside preparation. Two hours credit. Second semester. Rhoades

3. **Farm Organization**—Types of farming and their adaptation to different regions, size of the farm unit, capital, labor, systems of land tenure, maintenance of soil fertility, cropping systems, the farmstead, field arrangements, choice and purchase of a farm, and other factors of farm organization which affect farm profits are studied. Work based on text books, bulletins and Nebraska farm management survey records. Open to juniors, seniors, graduates, to second year men in the agricultural practice group and to others by permission. Graduates of the School of Agriculture who have credit for Farm Management A may register for the course for two hours credit. Three hours attendance. Two hours laboratory. Four hours outside preparation. Three hours credit. First semester. Spafford, Medlar

4. **Farm Management Seminar**—Prerequisite: Course 3. A continuation of course 3, dealing with specific problems in Farm Management. Each student investigates and reports upon some particular problem. Three to fifteen hours meeting, preparation and library. One to five hours credit. Second semester. Filley, Spafford, Rhoades, Medlar

11. **Marketing of Farm Products**—This course deals with such problems as producers and consumers prices, wholesale and retail marketing, competition and cooperation. The marketing of cereal crops is studied in detail, the grain being traced from producer to consumer. This includes the study of the farmers' elevator movement, railway rates, grain exchanges, grain warehouses, and other factors affecting prices. Open to juniors, seniors, graduates, second year men in the Agricultural Practice Group and others by permission. Two hours attendance. Four hours preparation. Two hours credit. First semester. Filley

12. **Marketing of Farm Products**—Course 11 continued. The marketing of live stock and live stock products is studied in detail. Different types of animals are traced from the farm to the consumers' table. The latter part of the semester is devoted to a study of the retail store. Two hours credit. Second semester. Filley

PRIMARYLY FOR GRADUATES

7. **Farm Management Survey**—Prerequisite: Courses 3 and 4. Field work, tabulation, and analysis of data. It is designed to train students for field work and to give them a first hand knowledge of Nebraska farm conditions. Field work may be done during vacation. Admission by consent of the instructor. Three to fifteen hours meeting, field work, tabulation of data and library. One to five hours credit. First semester. Filley

8. **Farm Management Survey**—Course 7 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

HOME ECONOMICS

Professor Loomis (*Head of Department*), Associate Professor Vance, Assistant Professor Cranor, Assistant Professor Fedde, Miss Canfield, Miss Curtiss, Miss Bowen, Miss Ahrens, Miss Lacey

GENERAL INFORMATION

The courses in this department are planned to meet the needs of three classes of students:

(1) Those students who are specializing in other lines of study and desire some knowledge of home economics as part of a general education.

(2) Those students who desire a special study of home economics together with the arts and sciences necessary for the successful management of homes.

(3) Those students who wish to teach home economics or to enter allied professions.

Courses are required in related subjects, hygiene, sociology, fine arts and the sciences. Approximately one-fourth of the work is given in the Home Economics department, one-fourth is in science and one-fourth in language and history. In the Junior and Senior years a part of the work is elective.

The lectures are given on the city campus or preceding laboratory periods in Home Economics Hall. This building contains eight well equipped laboratories, a practice dining room and kitchen and a cafeteria. The Hall offers an excellent opportunity for practice work in household administration problems.

The following courses are required for a major in Home Economics in the Agricultural College: 1¹, 2, 3², 4, 6³, 7, 8, 9, 10.

For a major in Home Economics in the Agricultural and Teachers Colleges: 1¹, 2, 3², 4, 6³, 7, 8, 9, 10, 13, 14.

For a minor in Clothing Study in the College of Arts and Sciences: 1¹, 2, 3², 4, 7, 8.

For a minor in Clothing Study in the Arts and Sciences and Teachers Colleges: 1¹, 2, 3², 4, 7, 8, 13.

For a minor in Food Study in the College of Arts and Sciences: 1¹, 2, 3², 4, 6⁴.

For a minor in Food Study in the Arts and Sciences and Teachers Colleges: 1¹, 2, 3², 4, 6³, 13, 14.

1. **Plain Sewing**—The use and care of sewing machines and their attachments; hand and machine sewing as applied to undergarments; garment drafting, simple embroidery, knitting, crotcheting, darning and patching. Students provide materials subject to the approval of instructor.

Textiles. A survey of the textile industry, beginning with the primitive through to modern methods of carding, spinning and weaving; cotton, wool, silk, linen, and other textile fibers studied with reference to growth, manufacture, finish, name, quality, price, width, properties of fiber, variation of weave, use and value. Household, chemical and microscopic texts of materials for fibers and adulterations, in relation to dyeing, cleaning and laundering, with special emphasis upon the economic side of textiles. Two hours attendance. Four hours laboratory. Three hours outside preparation. Three hours credit. First semester.

Cranor, Curtiss, Ahrens

2. **Elementary Dressmaking**—The making of a simple one piece dress, a tailored skirt and shirt waist or shirt; the use and alteration of commercial patterns. Students provide material subject to the approval of the instructor.

Drafting, Cutting and Fitting. The drafting, cutting and fitting of skirts, a tight waist, shirt waist, kimono waist, coat, sleeves, princess

¹Courses 1, 2 must be preceded or accompanied by Fine Arts 15 and 16.

²Courses 3, 4, (Elementary Food Study), must be preceded or accompanied by Chemistry 1 and 2.

³Course 6, (Dietetics), whether taken in a minor in other colleges or in a major in the Agricultural College must be preceded or accompanied by Chemistry 31, (Organic), and 46, (Biochemistry), or their equivalent and Physiology 1 and 2.

slip, and the padding of a form. Prerequisites: Textiles and Clothing I. One hour attendance. Five hours laboratory. Three hours credit. Second semester. Cranor, Curtiss, Ahrens

3. **Elementary Food Study**—Composition and function of typical foods; fundamental principles and processes of cooking and their application in the preparation of foods; nutritive and economic values; food preservation. Should be preceded or accompanied by Chemistry 1 and 2. Two hours attendance. Six hours laboratory. Four hours outside preparation. Four hours credit. First semester.

Fedde, Lacey

4. **Elementary Food Study**—Course 3 continued. Second semester.

5a. **Elementary Food Study**—This course is intended for students who have six hours entrance credits in food study. The quality of the work must have been satisfactory to the Department of Home Economics in the University. This course will, in addition to the entrance credits, be equivalent to Home Economics 3 and 4. It should be preceded or accompanied by Chemistry 1 and 2. One hour attendance. Three hours laboratory. Outside preparation. Two hours credit. First semester.

Vance

6. **Dietetics**—A study of the chemical, physical and economic factors involved in the problems of human nutrition. To be offered for graduate as well as undergraduate work. Prerequisites: General, organic and food Chemistry, Physiology, Home Economics 3 and 4. Two hours attendance. Six hours laboratory. Four hours credit. Second semester.

Loomis, Vance, Fedde

7. **Dressmaking**—A wool dress, a net guimpe and a conservation problem. Drafted and commercial patterns. Students provide material subject to the approval of the instructor. Prerequisites: Textiles and Clothing 1 and 2. Two hours attendance. Four hours laboratory. Three hours outside preparation. Three hours credit. First semester.

Cranor, Curtiss, Bowen

8. **Dressmaking**—Dark silk dress or silk suit and an afternoon or evening dress. Practice in draping and working on the form. Designs as well as all patterns used worked out on form. Original work required. Modern garments designed from ancient, national and fancy costumes. Prerequisites: Textiles and Clothing 1, 2 and 7. Two hours attendance. Four hours laboratory. Three hours outside preparation. Three hours credit. Second semester. Cranor, Curtiss, Bowen

9. **Household Administration**—House plans and furnishings; ventilation, heating, lighting, water supply, disposal of waste; management

of household affairs, division of income, domestic service, and care of the house. Must be taken in connection with Agricultural Engineering 17. Two hours attendance. Three hours laboratory. Four hours outside preparation. Three hours credit. First semester.

Loomis, Canfield, Cranor

10. **Household Administration**—Course 9 continued. Second semester.

11. **Survey Course in Food Study**—For students in the College of Arts and Sciences who desire a general knowledge of foods, their composition, preparation and place in the dietary. Open only to students above the freshman year. Not required in the four-year Home Economics Group. One hour attendance. Three hours laboratory. Two hours credit. First semester.

Vance, Lacey

12. **Survey Course in Food Study**—Course 11 continued. Includes the preparation and service of simple dietaries for adults and children in health and disease.

13. **Teachers' Course**—Theory and method of teaching Home Economics. Required of candidates for the University Teachers' Certificate in Home Economics. Lectures with practice teaching. Two hours attendance. Four hours outside preparation, including practice teaching. Two hours credit. First semester.

Loomis, Linch, Cranor

14. **Teachers' Course**—13 continued. Second semester.

15. **History of Costume**—(Elective). The course includes a survey of Egyptian, Grecian and French Costume. The aim of the course is to give a knowledge and appreciation of ancient costume and to make a practical application of its artistic features to present day dress. Prerequisites: Courses 1 and 2. Two hours attendance. Four hours outside preparation. Two hours credit. First semester.

Cranor

16. **A Survey Course in Clothing**—(Elective.) This course is designed to cultivate an appreciation of what is good in dress, from the standpoint of art, construction, economics and ethics by making a practical application of the knowledge acquired from the study of various phases of Textiles and Clothing. Open to Juniors, Seniors and Adult Specials. Two hours attendance. Four hours outside preparation. Two hours credit. Second semester.

Cranor

18. **Millinery**—(Elective.) The student is given practice in the processes involved in the making and covering of hat frames with straw, silk, velvet, etc., the making and placing of bows, flowers, and other trimming. Students provide material subject to the approval of the instructor. One hour attendance. Two hours laboratory. Two hours outside preparation. One hour credit. Prerequisites: Courses 1 and 2. Second semester.

Curtiss

20. Home Economics Extension Teaching—A discussion of the system of Extension Teaching in the United States, especially the organization and activities of the U. S. Department of Agriculture, in so far as it deals with extension teaching. A study of the organization, aims and methods of the Extension Service of the State College. A detailed study of Home Economics Extension Work, as carried on thru County Home Demonstration Agents and Home Economics specialists: methods employed in teaching women and girls, including the demonstration, lecture, and the use of the press; programs for study-groups; qualifications of workers. Two hours attendance. Outside preparation arranged. Two hours credit. Second semester.

Mrs. Davisson

Agricultural Engineering 33—House Planning—A course in house design given by the department of Agricultural Engineering. Baer

PRIMARILY FOR GRADUATES

105. Advanced Problems in Food Study—Lectures, conferences, library, and laboratory work on problems in the preservation and preparation of food. Prerequisite: Bacteriology 2a, Chemistry, Home Economics 3 and 4. Three to four hours credit.

106. Dietetics—Additional reference and conference work with individual problems in the study of actual dietaries and the planning of dietaries to meet the various needs. To be taken in connection with or following Home Economics 6. Graduate credit only. It is recommended that students registering for Home Economics 6 and 106 register also for Agricultural Botany 117 and 118, Comparative Physiology, and Agricultural Chemistry. Two to four hours credit.

117, 118. Seminary on Home Economics Education—A study of the development of Home Economics, with particular attention to the correlation of these with other subjects; the articulation of Home Economics work in the various grades of schools; the consideration of courses of study now in use; and the planning of courses that will meet the growing demand for vital, flexible, well balanced courses. Prerequisite: 24 hours undergraduate work in this department, educational courses sufficient to entitle student to State Certificate and successful teaching experience in Home Economics. Two hours credit.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

HORTICULTURE

Professor Howard (*Head of Department*), Associate Professor Hood, Associate Professor Cooper, Assistant Professor —, Assistants

The courses offered in this department are designed to give the student a thoro working knowledge of the principles and practice of the most important lines of horticultural work. The orchard, vineyard,

gardens, forestry plats and arboretum are used to demonstrate the principles brought out in the class room.

A limited number of advanced students who desire to fit themselves for teachers and investigators will be employed at moderate compensation to assist in the laboratory of the School of Agriculture during the winter and also to help with the work at the Experiment Station during the summer.

Agricultural Botany 101 and 102, or Botany 1 and 2, should precede all courses in Horticulture. All courses are open to women, but courses 3, 4 and 20 are especially recommended.

PRIMARILY FOR UNDERGRADUATES

1. **Principles of Vegetable Growing**—This course includes the study of the principles of vegetable growing, a consideration of seeds and seeding, and the requirements for the successful manipulation of plants. Each vegetable crop will be discussed. Prerequisite: Botany 1 and 2. Two hours attendance. Two hours laboratory. Two hours preparation. Two hours credit. First semester. Hood

2. **Principles of Fruit Growing**—An introductory course designed to cover the principles of fruit growing, and their application to our common tree fruits. Two hours preparation. Two hours attendance. Two hours credit. Second semester. Howard, Cooper

3. **Vegetable Gardening and Ornamental Plants**—A study of seeding, vegetative propagation of plants, management of the home garden, school gardens, care of lawns, culture of potted plants and ornamental flowers suitable for window gardening and for outdoor home decoration. Courses 3 and 4 are designed to meet the needs of girls wishing a brief study of horticulture for the home as well as to give some appreciation for school garden work. Open to women only. Two hours attendance. Four hours preparation. Two hours credit. First semester. Hood

4. **Vegetable Gardening and Ornamental Plants**—Course 3 continued. Second semester.

5. **Spray Mixtures**—This course is designed to give a thoro practical knowledge of insecticides and fungicides and their manner of application for the control of insects and fungous diseases and the methods of repairing and correcting broken, diseased, deformed and insect infested trees. Juniors and seniors. Two hours attendance. Four hours preparation. Three hours laboratory. Three hours credit. Second semester. Cooper

11. **Advanced Vegetable Growing**—A detailed and systematic study of vegetable crops. This course is designed to meet the needs of those desiring to engage in commercial truck gardening. The laboratory work will be devoted to the study of systematic olericulture, or the

study of the different varieties of vegetables. This enables the student to acquaint himself with the best varieties both in quality, production and commercial importance. Judging and scoring of vegetables will also be given attention. Prerequisite: Course 1 and Botany 1 and 2, or Plant Pathology and Physiology 101 and 102. Open to juniors and seniors. Two hours attendance. Three hours laboratory. Four hours preparation. Three hours credit. First semester. Hood

12. **Advanced Vegetable Growing**—Course 11 continued. Second semester.

13. **Farm Forestry**—The propagation of forest trees; nursery methods and practices; requirements of forest trees as to soil, moisture and climate; care of trees in farm wood-lots; the best species for Nebraska windbreaks and groves; preparation of planting plans; value of the timber crops; identification of common trees and shrubs; care and arrangement of street trees. Two hours attendance. Three hours laboratory. Four hours preparation. Three hours credit. First semester.

15. **Tree Fruits**—All phases of propagation, planting, culture, control of insects and fungous diseases, harvesting, storing and marketing tree fruits with reference to commercial orcharding will be given special attention. The laboratory exercises consist of field work along the lines covered by the lectures. Prerequisite: Course 2. Three hours attendance. Four hours laboratory. Five hours preparation. Four hours credit. First semester. Cooper

16. **Small Fruits**—All phases of preparation, planting, control of insects and fungous diseases, culture, harvesting, storing and marketing bush, cane and vine fruits with reference to commercial fruit growing are discussed. The laboratory work will consist in illustrating the lines covered by the lectures. Two hours attendance. Two hours laboratory. Five hours preparation including assigned readings. Three hours credit. Second semester. Cooper

17. **Apple Judging**—Identification and description of varieties of apples. Identification of insects, fungous and storage injury. Selecting specimens and preparing exhibits. Exercises in judging box, barrel and plate exhibits. Four hours laboratory. Two hours preparation. Two hours credit. First semester. Cooper

20. **Design of Home Grounds**—An elementary course designed for students not specializing in landscape gardening. Two hours lecture. One to two hours laboratory. Two hours library. Three hours credit. Second semester.

21. **Introduction into the Study of Landscape Gardening**—History of the development, principles, illustrated by slides. Occasional field trips. Two hours lecture. Two hours preparation. Two hours credit. First semester.

22. **Plant Materials**—A study of trees, shrubs, and perennials in their relation to landscape work. Two hours lecture. Two hours preparation. One to two hours laboratory. Three hours credit. Second semester.

FOR UNDERGRADUATES AND GRADUATES

7. **Horticultural Problems**—Assigned problems in Horticulture. Experimental work in the laboratory, gardens, greenhouses, or orchards, planning experiments, and keeping records. Hours for consultation. Two to five hours credit. Registration only by permission of Instructors. First semester. Howard, Hood, Cooper, ———

8. **Horticultural Problems**—Course 7 continued. Second semester.

10. **Genetic Seminar**—This course is given with a view of reviewing the experimental work in genetics. Prerequisite: Animal Husbandry 7 or Horticulture 25 or Zoology 32. One hour attendance. Two hours preparation. One hour credit. Second semester. Howard

19. **Systematic Pomology**—This course takes up in detail the systematic classification, nomenclature and discussion of tree, vine and bush fruits with the histories, origin and adaptability of each. The laboratory consists of the examination and classification of the various fruits. Prerequisite: Course 2. Two hours attendance. Four hours laboratory. Three hours preparation. Three hours credit. First semester. Cooper

23. **Landscape Design**—Topographical surveys and mapping with special reference of the methods used in landscape gardening; relation of topographic maps to landscape design; grading plans and working drawings, road and grade design. Design of school grounds, small parks, golf courses and the larger estates. Students should have preparation in systematic botany, plane surveying, mathematics, and free-hand drawing. Prerequisite: Courses 20, 21 and 22. Six hours laboratory. Three hours preparation. Three hours credit. First semester.

24. **Landscape Design**—Course 23 continued. Second semester.

25. **Principles of Plant Breeding**—An elementary study of the principles underlying plant improvement, a study of the methods involved in applying the principles of heredity to the improvement of horticultural plants. Practice in the technique of crossing. Prerequisite: Botany 1 and 2 or Plant Pathology and Physiology 101 and 102, or Zoology 11 and 12. Two hours attendance. Four hours preparation and library. Two hours credit. First semester. Howard

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

PLANT PATHOLOGY AND PHYSIOLOGY

Professor Wilcox (*Head of Department*), Associate Professor Link,
Associate Professor Thurston, Assistant Professor Davis,
and Assistant Professor Andersen

GENERAL INFORMATION

The offices, laboratories and lecture rooms are located in Plant Industry Hall. For use in the instructional work the department has a very extensive collection of lantern slides, charts and other illustrative material. An extensive pathological herbarium and collection of economic plants are being developed as rapidly as possible. The large private library of the head of the department of Plant Pathology and Physiology, particularly complete in phytopathology, is available for the use of advanced students. A greenhouse has been arranged and specially equipped for experimental work in physiology and pathology.

A limited number of advanced students with proper training can be offered exceptional opportunities for research work in physiology and pathology. In some cases it is possible for such students to receive compensation for work done in connection with problems being investigated by the department.

GRADUATE WORK

The department is especially prepared to offer graduate work in pathology, physiology and morphology. To successfully undertake research work in these subjects students should have a broad training in botany, chemistry and zoology; should be able to read French and German and should have taken at least six hours of work in this department. Before registering, students should consult the head of the department.

COURSES PRIMARILY FOR UNDERGRADUATES

101. **Elementary Botany**—A general introduction to the science of botany from the standpoints of morphology, physiology and ecology. Three hours lecture. Two hours preparation. Four hours laboratory. Three hours credit. First semester. Wilcox, Davis, Andersen

102. **Elementary Botany**—Course 101 continued. Second semester

105. **Plant Physiology**—A course of selected experiments supplemented by lectures, conferences and readings designed to acquaint the student with the activities of plants. A study of the relations and processes that deal with the maintenance, growth and reproduction of plants. Prerequisite: Courses 101, 102 and Chemistry 1, 2 with

31 recommended. Three hours lecture. Four hours laboratory. Two hours preparation. Three hours credit. First semester.

106. (See Botany 20.)

Link, Thurston

107. (See Botany 15.)

108. **Elementary Plant Pathology**—A course of lectures, laboratory work and selected readings constituting an introduction to the general subject. Practice in pathological technique is included. Prerequisite: Courses 101, 102 and with or following courses 105, 106. Three hours lecture. Four hours laboratory. Two hours reading. Three hours credit. Second semester.

Wilcox

115. **Advanced Plant Physiology**—A detailed study of the problems of plant physiology outlined in courses 105, 106 and chemistry 3, 4, 31 or equivalents. Three hours lecture. Six or twelve hours laboratory and preparation. Three or five hours credit. First semester.

Link, Thurston

116. **Advanced Plant Physiology**—Course 115 continued. Second semester.

117. **General Plant Pathology**—A broad survey of the development and present condition of our knowledge of plant disease. Special attention will be given to such subjects as the physiology and cytology of resistance and immunity, origin of parasitism, specialization, epidemics and climatic factors, malnutrition and unfavorable chemical and physical factors. Prerequisite: Courses 108, 110, 112, 114. Three hours lecture. Six hours laboratory. Three hours credit. First semester.

Wilcox

118. **General Plant Pathology**—Course 117 continued. Second semester.

GRADUATES ONLY

125. **Problems in Plant Physiology**—Assigned problems in plant physiology. Laboratory work with hours for consultation. Two to five hours credit. First semester.

Link, Thurston, Davis

126. **Problems in Plant Physiology**—Course 125 continued. Second semester.

127. **Problems in Plant Pathology**—Assigned problems in plant pathology. Laboratory work with hours for consultation. Two to five hours credit. First semester.

Wilcox

128. **Problems in Plant Pathology**—Course 127 continued. Second semester.

This department is also responsible for the courses offered in the School of Agriculture, for which see the Bulletin of the School of Agriculture.

AMERICAN HISTORY

Professor Caldwell (*Head of Department*), Professor Persinger, Professor Maxey, Miss Reynoldson, Mr. Sheldon

UNDERGRADUATE WORK

1. Order of Courses—Students who have had no Modern European history in high school are advised to take European history 1 and 2, or English history 1 and 2 before entering on the study of American history. Those students who intend to specialize in the department ought to take courses 1, 2, 3, 4, 5 and 6 in order. But those who have had Colonial and Revolutionary history in the high school may omit courses 1 and 2; and will be permitted to enter on course 3 in their sophomore year. Students who wish only one or two years of American history may secure the work in their junior and senior years; such students are recommended to take courses 3 and 4, or 5 and 6, or, on the consent of the instructor, they may choose from advanced courses 15, 16, 18, 21, 25, or 26.

2. Requirements for Arts or Academic Majors and Minors—The requirements in American history for an academic major (24 or 32 hours) or minor (12 to 16 hours), may be satisfied by selecting, under the advice of the department, the requisite number of hours from the courses of this and allied departments.

3. Teachers' Majors and Minors—For 32-hour "history" major: European history, 12 hours; English history, 6 hours; American history, 6 hours (courses 11 and 12); remaining 8 hours elective within any or all of the three departments, on consultation with adviser. Major advisership for this "history" certificate may be taken in any one of the three departments.

For 28-hour American history major: American history 3, 4, 5, 11 and 12 (or 1 and 2); political science 1; two to five hours from American history 6, 15, 16, 21, 25, 26; remaining five to eight hours from European or English history 1 and 2, political science 2, or economics 1.

For 24-hour American history major: American history 3, 4, 5, 11 and 12 (or 1 and 2); political science 1; two to four hours from American history 6, 15, 16, 18a, 20, 21, 25, 26; remaining two to four hours from European or English history 1 or 2, political science 2, or economics 1.

For 15-hour American history minor: American history 3, 4, 5, 11 and 12 (or 1 and 2).

For 12-hour American history minor: American history 3, 4, 11 and 12 (or 1 and 2).

GRADUATE WORK

4. Objects—Graduate work in the department of American history affords opportunity to prepare for any one of the following four lines of work: (1) The teaching of American history in the best high schools of Nebraska and adjoining states, and in seminaries, academies, and smaller colleges. (2) Fellowships or instructorships in the older and large universities. (3) Investigational work in corporate, state, or national service. (4) Historical research and writing.

5. Time—From one to three (or more) years may be given to this preparation, under the direct advice and assistance of the instructors in the department, and culminating in the degrees of Master of Arts and Doctor of Philosophy. There are also exceptional opportunities for study in the collateral subjects of English and European history, political science and sociology, and economics and commerce.

6. Facilities—The University, State, and State Historical Society libraries afford a wide range of original material for work along many lines of historical investigation. Graduate students have free access to all these libraries, and in addition have for their use a seminary room in which are placed all books needed in their particular lines of research. Books not already on the shelves will be purchased or obtained from other libraries when necessary for thesis or other advanced work. Special seminary courses are offered; and investigation in the history of Nebraska and other states of the plains region will be undertaken and the results published from time to time.

7. General Requirements—Candidates for advanced degrees must present a good knowledge of general history, and at least 12 hours of American history above high school courses. Unless this amount of undergraduate preparation is actually presented, candidates for the Master's or Doctor's degree in this department should count on at least one full semester more of work than would otherwise be required for either degree.

8. Requirements for Master of Arts—Work for the Master's degree may be taken in the department as follows: (1) All the work for the degree, including the thesis, in the department. The minimum requirement is one full year's work, including a satisfactory thesis. (2) A major, sixty per cent, and the thesis in this department, and the remainder in either one or two other departments. (3) A double minor, forty per cent, or a single minor, twenty per cent, in this department, and a major and the thesis in some other department. In any case, the particular courses to be taken are arranged by the candidate and his instructors in such manner as to conform to the plans and preparation of each applicant.

9. Requirements for Doctor of Philosophy—The minimum for the degree of Doctor of Philosophy is three full years of graduate work,

including the presentation of a satisfactory thesis. The work must be taken in at least two departments and may include three. For a major, sixty per cent of the time must be given to this department; for a double minor, forty per cent; and for a single minor, twenty per cent. The thesis in all cases goes with the major. The particular courses to be pursued are arranged on consultation between the candidate and the heads of the departments in which the work is to be taken. Those taking a major in this department are expected to have a good general knowledge of European history and a fair acquaintance with the principles of political economy, public law, political science, and sociology. The thesis must show a reasonable degree of original research and independent treatment.

COURSES

1. **American History to 1688**—Open to all. Three hours attendance. Three hours credit. First and second semesters. Persinger, Cochran

2. **American History from 1689 to 1789**—To follow course 1. Development of British imperial policy; French-English struggle for supremacy; British change of colonial policy after 1763; revolution, independence, and the war of independence; alliance, confederation, and constitution. Three hours attendance. Three hours credit. First and second semesters. Cochran

3. **Early National Period, 1787-1829**—Not open to freshmen. Open to sophomores who have had European history 1 and 2, or English history 1 and 2, or American history 1 and 2, or a year of high school American history in the senior class, and to all University juniors and seniors. Three hours attendance. Three hours credit. First semester. Caldwell

4. **Jacksonian Democracy, Slavery and the Civil War, 1829-1865**—Open to those who have taken course 3, and to juniors and seniors. Three hours attendance. Three hours credit. Second semester. Caldwell

5. **Reconstruction and Industrial Movements, 1865-1892**—Open to those who have had 3 and 4, to juniors, seniors, and graduate students. Three hours attendance. Three hours credit. First semester. Caldwell

6. **American History since 1893**—Open to those who have had course 5, and to juniors, seniors and graduate students. Three hours attendance. Three hours credit. Second semester. Persinger

7. **British Colonial Policy**—Open to those who have had course 2 and to juniors, seniors and graduate students. Two hours attendance. Two hours credit. First and second semesters. _____

[10. **Land Laws and Policy of the United States**—Open to agricultural, engineering and advanced academic students. Development of the successive "wests" of American history, with the problems and policies relating to each; policy and laws of the present day in regard to agricultural, mineral, forest, and grazing lands. Three hours attendance. Three hours credit. Second semester. *Not given in 1918-1919.* Persinger]

11. **Teachers' Course in American History**—Review and organization of the subject matter of high school American history from 1492 to 1823; methods of high school history teaching: equipment, aids, etc. Five hours attendance. One to one and one-half hours preparation for each recitation. Three to four hours credit. First semester. Persinger]

12. **Teachers' Course in American History**—11 continued. Subject matter of American history from 1824 to present time. Three to four hours credit. Second semester. Persinger]

13. **Nebraska History and Political Institutions**—See Political Science 9. Two hours attendance. Two hours credit. First semester. Sheldon]

15. **Political Parties in American History**—The origin, development, principles and methods of American parties. An advanced course open to those who have had courses 1 and 2 and to juniors, seniors and graduate students. Three hours attendance. Three hours credit. First semester. Cochran.]

16. **Constitutional History of the United States**—Evolution, formation, adoption, and interpretation of the constitution. Open to law students and to juniors, seniors and graduate students. Three hours attendance. Three hours credit. Second semester. Cochran]

[18. **Latin America**—Open to advanced students upon consultation with instructor. Brief study of Latin-American history and relations, more detailed study of present-day Latin-American institutions, conditions, and opportunities. Two hours attendance. Two hours credit. Second semester. *Not given in 1918-1919.*]

21. **Advanced Course on American and Nebraska History of 1909 to 1917**—Open to juniors, seniors and graduate students. Semi-research course on national and correlated state history of the populist and free-silver period. Two hours attendance. Two hours credit. First semester. Persinger.]

21a. **Advanced Course, 1909-1917**—Course 21 continued. Second semester.

22. **American Diplomacy [Public Law 10]**—Organization of Department of State and of diplomatic service. Methods. Problems and controversies growing out of them. Change in our diplomatic policy. Two hours attendance. Two hours credit. Second semester. Maxey.]

23. **Seminary**—For graduate students and special students who may be admitted to the course by the instructor. Study of library organization, bibliography, and methods of research. Reports on thesis and assigned topics, and lectures by invited specialists. Two hours attendance. Credit will vary with the amount and character of work done. Every year. Caldwell.

24. **Seminary**—Course 23 continued. Second semester.

25. **Expansion of the American Nation and People**—Territorial acquisitions, treaties, problems, effects; westward movements—the frontiers; changes in and development of an American people; characteristics. An advanced course open to juniors, seniors and graduate students. Thesis work and study in the sources will be emphasized. Three hours attendance. Three hours credit. First semester.

26. **The Negro Problem under Slavery and Freedom, 1600-1915**—The history of the negro race in the United States; slavery—its development and problems. Emancipation and the negro under freedom; present conditions and problems. An advanced course open to those who have had courses 1 and 2 and to juniors, seniors and graduate students. Three hours attendance. Three hours credit. Second semester. Caldwell.

33. **Nebraska Legislative Practice and Problems**—See Political Science course 33. Two hours attendance. Two hours credit. First semester. Sheldon.

34. **Nebraska Legislative Practice and Problems**—Continuation of 33. See Political Science course 34. Two hours attendance. Two hours credit. Second semester. Sheldon.

33a. **Seminary on Nebraska History, Politics and Economics**—A research seminar in the history, political science, sociology and economics of Nebraska. Open to juniors, seniors and graduate students. Thru the Nebraska Legislative Reference Bureau scholarships of one hundred dollars and up will be awarded to members of this course whose merits justify it, or whose research papers prove to be usable by the Bureau. Two hours attendance. Two hours credit. Given every year. First semester. Caldwell, Sheldon.

34a. **Seminary on Nebraska History, Politics and Economics**—33a continued. Second semester.

37. **Graduate Conference**—Meeting of professors, fellows, scholars and graduate majors for discussion of professional or technical subjects, book reviews, methods, etc. No credit. First semester.

38. **Graduate Conference**—37 continued. Second semester.

40. American International Relations and Domestic Problems Since 1898, with especial emphasis on current diplomacy and domestic events. Two hours credit, with a third hour for those who intend to teach current events. Open to all except freshmen. Cochran.

ANIMAL HUSBANDRY

(See "Agricultural Courses")

ANIMAL PATHOLOGY

(See "Agricultural Courses")

APPLIED MECHANICS AND DESIGN

(See "Engineering Courses")

ARCHITECTURE

(See "College of Engineering")

ASTRONOMY

Professor Swezey (*Head of Department*), Professor Loveland, Professor Brenke

GENERAL INFORMATION

The Astronomical Observatory with its telescope and other instruments furnishes to elementary students an opportunity to study at first hand the more interesting heavenly bodies. They are given some practice in such exercises as finding accurate time by the stars, determining the latitude of the Observatory, and recognizing with the spectroscope the various elements present in the sun and stars. For advanced work the telescope is equipped with photographic, photometric and spectroscopic appliances; the meridian circle, zenith telescope, transit instrument, and sidereal clock and chronometers furnish facilities for the more important problems in the astronomy of precision.

The location on the campus of the United States Weather Bureau with its self-registering instruments and its daily compiling and printing of a weather map add much interest to the study of meteorology. A complete series of the daily weather maps for many years furnish original data for all sorts of climatological studies.

For the University Teachers' Certificate at least 12 hours credit are required for a minor including courses 1 and 2; for a major, 12 additional hours taken in courses "for undergraduates and graduates."

GRADUATE WORK

Master of Arts—Any of the courses offered to graduates and comprising six hours credit may constitute a minor for a student who takes two minors for his degree. Any two such courses may be taken

as a single minor. Two such courses and a thesis constitute a major.

Doctor of Philosophy—The department does not undertake major work for this degree, but the courses offered for the degree of Master of Arts may be chosen as minors by candidates for the doctorate taking their majors in other departments.

PRIMARILY FOR UNDERGRADUATES

Meteorology

1. **General Meteorology**—A general survey of the earth's atmosphere, including composition and extent, temperature, moisture, dew, frost, clouds, precipitation, winds and storms. Students are taught the construction and use of weather maps and climatic charts, and the use and care of meteorological instruments. Two hours attendance. Two hours credit. First and second semesters. Loveland.

2. **Weather Forecasting**—A study of the laws of storms and the principles of forecasting. Prerequisite: Course 1. One hour attendance. One hour credit. First semester. Loveland.

3. **Practical Meteorology**—A study of the application of meteorology to the various vocations, such as farming, forestry, and engineering; to the workers in the trades and professions; to the householder and ordinary citizens; showing the value and use of a knowledge of weather and climate. Prerequisite: Course 1. One hour attendance. One hour credit. Second semester. Loveland.

General Astronomy

Courses 5 to 8 are of a non-mathematical sort, designed to give such knowledge of astronomy as every educated person should possess. They may best be combined in the same year, or courses 7 and 8 may follow 5 and 6.

5. **Descriptive Astronomy**—A lecture course supplemented by the day time study of celestial globes, astronomical photographs, charts and instruments. The lectures summarize our present knowledge of the heavenly bodies, and the methods by which astronomers investigate them. Two hours credit. First and second semesters. Swezey.

6. Course 5 continued. Second semester.

7. **Practical Astronomy**—One evening a week at the observatory, devoted to the study of the sky itself. Learning the constellations; charting the motions of the moon and planets; observing with the telescope some of the more interesting objects in the sky; the use of the transit instrument in finding accurate time by the stars; and similar exercises. Course 5 prerequisite, or else must be taken at the same time. Two-hour period once a week. One hour credit. First and second semesters. Swezey.

8. Course 7 continued. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

9. **The History of Astronomy**—With special reference to recent and current investigations in the field of astronomy. A knowledge of general astronomy prerequisite. Two or three hours credit. First semester. Swezey.

10. **The History of Astronomy**—Course 9 continued. Second semester.

Meridian Astronomy

13. **Timekeeping**—The use of the transit instrument in finding accurate time. The comparison and regulation of sidereal and mean time clocks and chronometers. Designed incidentally to fit the student to regulate the time service to the observatory. Requires plane trigonometry. One to two hours credit. First and second semesters. Swezey.

14. **The Problem of Latitude**—The use of the meridian circle and the zenith telescope in the accurate determination of latitude, and similar problems. Requires plane trigonometry. One or two hours credit. First and second semesters. Swezey.

Astronomy for Engineers

17. **Field Astronomy**—Methods of finding latitude, longitude, time and the meridian by the use of field instruments. Requires plane trigonometry. Two or three hours credit. First and second semesters. Brenke.

18. **Geodetic Astronomy**—Methods of finding precise azimuths and latitudes, as employed by the U. S. Geodetic Survey. Two or three hours credit. Second semester. Brenke.

Mathematical Astronomy

21. **Celestial Mechanics**—Requires the calculus. Three hours attendance. Three hours credit. First semester. Brenke.

22. **Celestial Mechanics**—Course 21 continued. Second semester.

Climatology

23. **Climatology**—Climates of different parts of the world. Causes of these differences. Prerequisite: Course 2. One hour attendance. One hour credit. One or two additional hours credit may be secured by further work in the study of the climates of selected localities. First semester. Loveland.

24. **Climatology**—Course 23 continued. Second semester.

BACTERIOLOGY AND PATHOLOGYProfessor Waite (*Head of Department*), Mr. Proskovec**GRADUATE WORK**

As requirements for registration in this department for advanced degrees, the applicant must have completed work equivalent to that of a general scientific course in this University. The ability to read German and French is necessary. Before registration for an advanced degree the candidate must consult the head of the department.

Master of Arts—Second minor: Courses 2a and 3, or 2a and 4. First minor: Courses 2a and 3, or 2a and 4 and its equivalent along some special line of research. Major: Advanced work following the courses outlined above with a thesis.

Doctor of Philosophy—Minor: The minimum requirement will be the equivalent of six hours of class work approved by the head of the department. Major: The candidate must have a thoro knowledge of general bacteriology equivalent to that required for the degree of Master of Arts. In addition to this he must have pursued and completed some original problem and must embody the results of his work in a thesis. The minimum time requirement must be at least that required by the University for the degree.

2a. **Elementary Bacteriology**—An introduction to the study of bacteriology. The relation of bacteria to other organisms. Their morphology and structure, chemical composition, and chemical changes which they produce. Two hours attendance. Four hours laboratory. Two hours credit. First and second semesters. Waite, Proskovec.

Courses 3 and 4 must be preceded by course 2a.

3. **Dairy Bacteriology**—Sources of bacteria in milk. Lactic and butyric acid fermentations, peptonizing, rennet-forming and butyric acid-producing bacteria. Abnormal fermentations giving rise to slimy, bitter, red, blue, yellow and green milk. Relation of milk to spread of tuberculosis, typhoid fever, and other diseases. Sterilization and pasteurization. Bacteria in butter making. Micro-organisms concerned in the production of cheese. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Waite, Proskovec

4. **Agricultural Bacteriology**—The nitrogen problem. Bacteria in ammoniacal fermentation, nitrification and denitrification. Bacteria as a means of reclaiming nitrogen lost from the soil. The employment of pure cultures in growing leguminous plants. Azotobacteria. Two hours attendance. Four hours laboratory. Two hours credit. Second semester. Waite, Proskovec.

5. **Bacteriology**—The morphology, structure and chemical composition of micro-organisms; chemical changes which they produce; principles of sterilization and disinfection; study of pathogenic bacteria

with special reference to those of the mouth; principles of immunity with methods for securing it. Four hours attendance. Four hours laboratory. Three hours credit. First semester. Waite, Proskovec.

6. **Pathology for Dental Students**—A study of general pathological processes with especial reference to inflammation, specific tissue reactions and tumors. Pathological changes occurring in the mouth and especially in relation to the teeth are emphasized. Four hours attendance. Four hours laboratory. Three hours credit. Second semester. Waite, Proskovec.

BOHEMIAN

(See Department of Slavonic Languages and Literatures.)

BOTANY

Professor Pool (*Head of Department*), Professor Weaver, Associate Professor E. R. Walker, Associate Professor L. B. Walker, Assistant Professor Fitzpatrick, Instructor Hannah

GENERAL INFORMATION

The department of botany now occupies new quarters in Bessey Hall which has been completed and equipped recently. Class rooms, well equipped store rooms and laboratories for elementary botany and undergraduate and graduate work in morphology, histology, cytology, taxonomy, physiology, ecology, mycology, and pathology afford ample opportunity for extensive training in these phases of botanical science. The equipment is adequate for a wide range of investigations in the various subdivisions of the subject. Green houses afford the necessary quarters for the culture of living plants to be used in the various courses as well as space for the use of research students.

The University Herbarium and the Herbarium of the Botanical Survey of Nebraska are again available after several years in storage because of the lack of room in the old building. The collections, now numbering 250,000 specimens are housed in new metal cases adjacent to the laboratory of systematic botany. The flora of nearly every civilized land is represented in these collections which contain a great amount of material available for careful taxonomic research. Many of the important exsiccati of the world are to be found here. Two of the important private collections which are now the property of the university are the Williams Collection of lichens consisting of 3,819 mounted specimens and the general herbarium of the late William Cleburne of Omaha numbering about 6,000 specimens.

The botanical library of some 15,000 books, pamphlets and separates is also conveniently housed in the building in new standard metal equipment. The most of the important American and European botanical periodicals are represented here by complete sets of bound volumes and in the current files.

The Botanical Seminar holds open meetings every two weeks for the reading of papers and discussion of botanical questions. To these meetings all students are welcome. Membership in the Seminar is restricted to advanced students of Botany who after invitation succeed in passing the entrance examinations set for them.

UNDERGRADUATE WORK

Students entering upon the study of botany in this university should take courses 1 and 2 or A or present an equivalent after which the most of the undergraduate courses may be elected to suit the requirements of the individual student. Students preparing to teach the subject in addition to the above work courses 3-4, 33-34, 20 and Plant Pathology and Physiology 105. Courses 13-14, 20 and Plant Pathology 105 should be elected in preparation for Pharmacy and courses 25-26, 20 and Plant Pathology and Physiology 105 may be elected by those who are looking forward to a medical career. Those who plan to specialize in botany should consult often with the head of the department in order that the work may be properly correlated and that the undergraduate studies may meet the demands of the student.

The work and equipment of the department are so planned that students may prepare themselves for life work in various positions which demand considerable knowledge of botany. The more important demands are for teachers of botany in high schools, colleges and the universities, for botanists or specialists in one or another phase of the subject in the various offices of the Bureau of Plant Industry and the Forest Service of the United States Department of Agriculture and in the Agricultural Colleges and Experiment Stations. Information with reference to the possibilities of work in various directions may be secured from the head of the department.

The following combinations are recommended for undergraduate majors and minors:

30 hour major. Courses 1-2, 3-4, 5-6, 13-14, 33-34, 20 and Plant Pathology and Physiology 105.

24 hour major. Courses 1-2, 3-4, 13-14, 15 or 20 and Plant Pathology and Physiology 105.

20 hour major or minor. Courses 1-2, 3-4, 33-34, 20 and Plant Pathology and Physiology 105.

18 hour major or minor. Courses 1-2, 3-4, 13-14, 20 and Plant Pathology and Physiology 105.

16 hour major or minor. Courses 1-2, 13-14, 20 and Plant Pathology and Physiology 105.

14 hour minor. Courses 1-2, 3-4, or 1-2, 33-34 and 20 or Plant Pathology and Physiology 105.

12 hour minor. Courses 1-2, 20 and Plant Pathology and Physiology 105.

10 hour minor. Courses 1-2, 13-14.

GRADUATE WORK

Before formal registration for a degree for graduate work in this department the student must have satisfactorily completed general botany (courses 1, 2), general morphology (courses 3 and 4), and plant physiology (course 20 and Plant Pathology and Physiology 105) or their equivalent (20 hours), and one year of zoology.

After consultation students may register for the following courses:

Master of Arts—For majors candidates may select work in cytology, histology, systematic botany, mycology and ecology, preferably in courses 37 to 46. For minors any courses excepting 1, 2, 3, 4, A, 20, 33, 34 and Plant Pathology and Physiology 105.

Doctor of Philosophy—Majors: Courses 37 to 46. Minors: Any courses which the student is prepared to enter (excepting 1, 2, 3, 4, A, 20, 33, 34 and Plant Pathology and Physiology 105).

Students in the Graduate School of Education who elect a major in botany must have had courses 1 and 2 (or their equivalent). They are recommended to take courses 3 and 4, and in addition courses 13 and 14, 33 and 34, 20, and Plant Pathology and Physiology 105.

A number of scholarships and fellowships in botany are available in the Graduate College for properly equipped students who wish to enter upon graduate work in botany. Information relative to these positions may be secured from the Dean of the Graduate College or from the head of this department.

COURSES PRIMARILY FOR UNDERGRADUATES¹

A. General Botany

Recommended to all students intending to make a thoro study of the science.

1. General Botany—Introduction to the fundamental structure and physiology of plants (protoplasm, cells, tissues and their activities). Field work on trees. General survey of the plant kingdom, including blue-green and green algae, the bacteria and fungi. Three hours lecture and quiz. Six hours laboratory or field work. Three hours credit. First semester. Pool, L. B. Walker, Hannah.

2. General Botany—The general survey continued, including brown and red algae, the fungi (including lichens), to flowering plants. A course on fundamental biological principles as revealed by plants. Three hours lecture and quiz. Six hours laboratory or field work. Three hours credit. Second semester. Pool, L. B. Walker, Hannah.

¹In general, students who enter the University with two points credit in botany or biology should register for courses 3, 19 or 13; those with less than two points entrance credit in botany or biology must register for general botany 1.

Botany A (Botany 1 and 2)—The Department of Botany offers in the summer session this intensive course which includes the study of protoplasm, cells, tissues, (cytology and histology), and their activities (physiology), followed by the structure of selected representatives of the various groups of plants in the vegetable kingdom (general morphology), together with an introduction to their physiology, distribution, and classification. This is a University course, being equivalent to Botany 1 and 2 of the first and second semesters, and will fully satisfy the University's requirement for six hours of credit in General Botany.

Those who register for this work must bear in mind that it will require practically all of their available time. The lectures are given every week day (six days), and followed immediately by not less than four hours of daily work in the laboratory (24 hours each week during the Summer Session). The credit for the completed work is six hours.

Pool.

3. General Morphology—A detailed study of the structure and classification of Myxophyceae to Carpomyceteae, with particular reference to their identification and classification. Three hours lecture. Six to eight hours laboratory. Three to four hours credit. First semester.

E. R. Walker.

4. General Morphology—A similar study of Bryophyta to Anthophyta; their origin and relationships; spore formation and the development of the embryo and formation of the primary tissues. A continuation of course 3. Three hours lecture. Six to eight hours laboratory. Three to four hours credit. Second semester.

E. R. Walker.

COURSES FOR UNDERGRADUATES AND GRADUATES

B. Special Botany

I. Histological Botany

5. Histology—A study of the origin and development of tissues and tissue aggregates in higher plants, with the technique of staining and mounting extended to apply to all of the major groups of plants. Should be preceded by courses 1 and 2. Two hours lecture. Four to eight hours laboratory. Two to three hours credit. First semester.

E. R. Walker.

6. Cytology—A study of the plant cell, mitosis and sporogenesis in higher plants with cytological technique with reference to the mechanism of inheritance. Must be preceded by 1, 2, or their equivalent. Two hours lecture. Four to eight hours laboratory. Two or three hours credit. Second semester.

E. R. Walker.

II. Systematic Botany

11. Trees—A review of the morphology and physiology of trees followed by work on the identification and classification of trees to-

gether with a study of the distribution of the more important forest trees of the United States. Emphasis is placed upon methods for identification. Two hours lecture or quiz. Four to six hours work in the laboratory, herbarium or field. Two to three hours credit. First semester.

Pool.

12. **Trees**—11 continued. Including a study of the structure of the more common economic woods leading to their identification; the relation of structure to strength, weight, shrinkage, grain, finish and other properties. These courses are designed to furnish teachers and others with a general knowledge of trees and woods which may be useful in practical daily life. Two hours lecture or quiz. Four to six hours work in the laboratory, herbarium or field. Prerequisite: Course 11. Two to three hours credit. Second semester.

Pool.

13. **Flowering Plants**—The principles of the classification of the flowering plants and their application to the orders of the Monocotyledons. Particular attention is given to grasses and other economic groups. Two hours lecture and quiz. Four to ten hours work in the laboratory, herbarium and field. Two to four hours credit. First semester.

Pool, Hannah.

14. **Flowering Plants**—The application of the principles of classification to the orders of Dicotyledons, with particular attention to legumes, roses and other economic groups. This and the preceding course are intended to furnish a broad working knowledge of the flowering plants. They are recommended to agricultural and pharmacy students especially, since they are designed to give the taxonomic background for agronomy, horticulture, and pharmacy. Two hours lecture and quiz. Four to ten hours work in the laboratory, herbarium and field. Two to four hours credit. Second semester.

Pool, Hannah.

15. **Elementary Mycology**—The general morphology, physiology and classification of the fungi. Emphasis will be placed upon identification. Two hours lecture. Four to six hours laboratory and field work. Two to three hours credit. First and second semesters.

L. B. Walker.

16. See Plant Pathology and Physiology 108.

17. **Advanced Mycology**—Study of a selected group of fungi including morphology, development and classification. Two lectures or conferences. Four to thirteen hours laboratory. Two to five hours credit. First semester.

L. B. Walker

18. **Advanced Mycology**—17 continued. Second semester.

III. Physiological Botany

19. See Plant Pathology and Physiology 105.

20. **Elementary Ecology**—The study and measurement in the field and laboratory of the factors which make the plant's home together

with a study of plant structures and activities in response to the environment, application of ecological methods to grazing, forestry, plant diseases and general crop production. The composition and development of vegetation. Three hours attendance. Six hours field and laboratory work. Three hours credit. First and second semesters.

Weaver.

21. **Plant Ecology**—An extended study and measurement of the factors to which plants are subjected in their natural habitats. The course also includes a field and laboratory study of the anatomy of leaves, stems and roots and the reproduction and dissemination of plants as related to external conditions. Prerequisite: Course 20. Two hours attendance. Four to six hours field and laboratory work. Two to three hours credit. First semester.

Weaver.

22. **Plant Ecology**—A continuation of course 21 but including methods for the study of the origin, development, structure and succession of vegetation types or plant associations. Detailed investigations will be made in the prairies, salt-basins and woodlands about Lincoln. An introduction to methods of ecological investigations. Prerequisite: Course 20. Two hours attendance. Four to six hours field and laboratory work. Two to three hours credit. Second semester.

Weaver.

27. **The Plant Geography of North America**—Lectures, herbarium work and assigned readings upon the natural plant life regions of North America. A general introduction to phytogeographic methods with particular reference to our own continent. Prerequisite: Courses 13, 14, 19, 20. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Pool.

28. **The Natural Plant Life of Nebraska**—A special study of the natural vegetation of Nebraska by means of lectures, herbarium work and readings. The sources of the flora of Nebraska and the development and structure of the vegetation of the Prairies and Great Plains will also be studied. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Pool.

IV. Technical Botany

29. **History of Botany**—A brief survey of the development and differentiation of botany from about 400 B. C. to the present day. For advanced and graduate students. Two hours attendance. Four hours reading and other preparation. Two hours credit. First semester.

Pool, Weaver.

31. **Botanical Literature**—A study of the sources of botanical information, books, periodicals and other valuable sources. Library work with frequent conferences and quizzes. For advanced and graduate students. Four hours library work. Two hours credit. First semester.

Pool.

33. Botany for Teachers—A course intended to acquaint students with the materials and methods of teaching botany in the high schools and colleges. Suggestions as to the composition and arrangement of courses; what to do in the laboratory and field; how to collect material and how to prepare material for future use; the herbarium and other illustrative material; books, guides and other useful literature; sources of materials and supplies for the laboratory. Prerequisite: Courses 1, 2 or 3, 4. Two hours attendance. Four hours preparation. Two hours credit. First semester. Weaver.

34. Botany for Teachers—33 continued. Second semester.

COURSES FOR GRADUATES ONLY

The student may register for any one of these courses year after year until the completion of his problem.

37. Mycological Research—Assigned problems in field and laboratory. Five to ten hours credit. First semester. Pool, L. B. Walker.

38. Mycological Research—37 continued. Second semester.

41. Taxonomic Research—Assigned problems in the field and herbarium. Five to ten hours credit. First semester. Pool.

42. Taxonomic Research—41 continued. Second semester.

43. Morphological Research—Assigned problems in the morphology of a plant, or group of plants. Five to ten hours credit. First semester. Pool, E. R. Walker.

44. Morphological Research—43 continued. Second semester.

45. Ecological Research—Assigned problems in field and laboratory. Five to ten hours credit. First semester. Weaver, Pool.

46. Ecological Research—45 continued. Second semester.

CHEMISTRY

Professor Upson (*Head of Department*), Professor Borrowman, Professor Plum, Professor Eastlack, Assistant Professor Fossler, Assistant Professor Calvin, Assistant Professor Frankforter, Instructors Anderson, Vose, Stockman, Helen Davis, Assistants Abbott, Ingersoll, Arenson, Boyd, Sands

GENERAL INFORMATION

The instructional work in Chemistry is directed toward the following ends:

(1) The training of teachers for college and University positions in Chemistry; (2) The training of teachers for secondary schools; (3) The training of men for positions as experts or assistants in industrial chemistry; (4) The training of men to become analysts in commercial and government or experiment station laboratories; (5) The training of general students in scientific methods of work and in the appreciation of the place of chemistry in the modern world.

Chemistry touches modern life in such a great variety of ways that some knowledge of the elementary principles of the science occupies an important place in a liberal education. Students in other branches of science require some knowledge of chemistry as an almost indispensable adjunct to their work.

The undergraduate courses required of students majoring in Chemistry furnish the training required for such positions as analyst and scientific assistant in commercial and government laboratories and also for positions in high schools. They also serve as a foundation for advanced work looking to a higher degree.

The statistics of the universities of the country show that a larger number of students complete the work for the degree of Doctor of Philosophy, in Chemistry than in any other science. This is because the more important positions in the field of industrial chemistry call for men capable of developing and carrying on research. The scientific training in all branches of chemistry required for the Doctor's degree, forms the best preparation for this sort of work. All the better positions open to teachers of chemistry also demand the training which is required for an advanced degree.

The world war has brought home to the American public as no other incident has, our former dependence on foreign countries for many important articles of commerce and necessities of every day life, such as dyestuffs, medicinal drugs, photographic chemicals and many of the raw materials required for munitions. Since 1914 there has been a great awakening in the industrial world to the importance of chemistry in almost every line of manufacturing. Chemical industries in America have grown by leaps and bounds. America is now an exporter of many chemical products which were formerly obtainable only in Germany. The demands for competent chemists to fill industrial positions is unprecedented. Because of the recognized importance of chemistry, this demand is sure to continue after the war. For these reasons chemistry offers unusual opportunities in the way of a career.

SEQUENCE OF COURSES

For the Bachelor of Science Degree

A major in chemistry for the Bachelor's degree in the College of Arts and Sciences shall include courses 1 and 2, or 3 and 4, 19, 21, and 31, (or 33 and 34), and sufficient hours to fulfill the requirement from courses 14, 22, 23, 27, 39, 43, 36 and 51. Students intending to enter Chemistry as a profession should take, in addition to courses 1, 2, or 3 and 4, 19, 21, 33 and 34, not less than fifteen hours, selected from the following 14, 22, 23, 27, or 28, 39, 46, 51 and 52. Students preparing to teach chemistry in high schools should take course 13.

Facilities

The Department of Chemistry occupies a new laboratory which is up-to-date in every respect. Modern facilities are provided for instruction and investigations in all the branches of chemistry, both pure and applied. In the basement are provided the general laboratories for work in industrial chemistry and assaying and in addition a number of laboratories for instructors and students engaged in advanced work. Entrance to the main lecture room may be gained from this floor. On the first floor are the large laboratories for general chemistry and qualitative analysis with accommodations for 750 students, the main dispensing room, a small class room, and two instructor's offices. The main entrances to the lecture room are on this floor. The lecture room is built in amphitheatre style and seats 250 students. It is provided with every modern appliance for the experimental illustration of lectures.

On the second floor are located the large laboratory for organic chemistry, the departmental library, the office of the department, several small laboratories for special work and two smaller lecture rooms.

The third floor is devoted mainly to analytical and physical chemistry. There is a commodious laboratory for each of these subjects, a balance room, several instructor's laboratories and a number of small rooms for special purposes, such as water and gas analysis, electro chemistry, spectroscopic work and the like.

Inorganic Chemistry

1. **General Inorganic Chemistry**—The non-metals and their compounds. Three hours lecture and recitation. Six hours laboratory. Six hours preparation. Five hours credit. First semester. Plum.

1a. **Arts Course in General Chemistry**—This course is designed for Arts and Science students who have had no previous training in chemistry and who do not intend to take Chemistry beyond the first year. (All others should register for course 1 or 3, which, with either 2 or 4, are prerequisite to all other courses in the department.) Three hours lecture. Three hours laboratory. Three hours preparation. Three hours credit. First semester. Plum.

2. **General Inorganic Chemistry**—Course 1 continued. Three hours lecture. Six hours laboratory. Six hours preparation. Five hours credit. Second semester. Plum.

2a. **Arts Course in General Chemistry**—Course 1a continued. Three hours lecture. Three hours laboratory. Three hours preparation. Three hours credit. Second semester. Plum.

3. **General Inorganic Chemistry**—Prerequisite, two points entrance credit in chemistry. Two hours lecture. Four hours laboratory. Three hours credit. First semester. Plum.

4. **General Inorganic Chemistry**—Course 3 continued. Two hours lecture. Four hours laboratory. Three hours preparation. Three hours credit. Second semester. Plum.

NOTE—The aim of the courses in general chemistry is to present the more important facts concerning the non-metallic elements and the metals and their compounds. The fundamental principles of chemistry are emphasized and the important theories, such as chemical equilibrium and the modern theories of solution, are freely used. The courses are designed to meet the needs of those who wish to study the science as part of a liberal education and also to serve as a foundation for those who wish to go deeper into chemistry. Separate credit is given for each course, but students are advised to take at least one year of the subject. Either courses 1 and 2, or 3 and 4 are prerequisite to all other courses in the department.

5. **Inorganic Preparations**—Preparation of typical inorganic compounds. Prerequisite: Course 22. Two hours lecture. Seven to thirteen hours laboratory. Three to five hours credit. First semester. Plum.

8. **Advanced General Chemistry**—The periodic system; the interrelations of the elements; the rarer elements. Prerequisite: Courses 22 and 52. Two hours lecture. Second semester.

10. **Special Topics in Inorganic Chemistry**—Discussion of selected topics in organic chemistry such as, complex salts, hydrates, peroxides, Werener's theory, etc. The topics may be changed from year to year. Prerequisite: Courses 22 and 52. Two hours lecture. Second semester. Plum.

14. **History of Chemistry**—Lectures on the history of chemistry discussed from the standpoint of the life and work of the great discoverers in this field of science. Prerequisite: Course 2 and 34. Two hours lecture. Two hours credit. Second semester. (Given in alternate years.) Upson

15. **Teachers' Special Methods in Chemistry**—Discussion in detail of the methods and procedure in teaching high school chemistry. Guiding principles in the selection and use of subject-matter and laboratory exercises. Supplies, apparatus and equipment for a laboratory. Efficient laboratory service. Educational aims, and relation of class-room instruction to laboratory work. Choice of text and reference books. Prerequisite: Courses 1, 2, 31. Two hours attendance. Three hours laboratory. Two hours credit. First semester. Given in Summer Session. Brownell.

16. **Teachers' Laboratory Course in Chemistry**—A semester of teaching of classes in high school chemistry under closest critical supervision. Involves (a) class management, preparation for class instruction, making of lesson plans, review of examination papers, provision for desk experiments; (b) direction of the laboratory work of

sections of the high school chemistry classes, with care of the laboratory and its supplies, preparation in advance for the experimental work, assistance to pupils at the tables and review of laboratory papers handed in. To follow or in connection with Chemistry 15. Two hours conference. Four hours laboratory or three hours teaching. One or two hours credit. First and second semesters. Brownell.

Analytical Chemistry

10. Qualitative Analysis—Lectures, recitations, and laboratory work on the principles and practice of qualitative analysis. The lectures deal with chemistry of the analytical reactions, special attention being given to the development and application of the laws of chemical equilibrium and the theories of solutions. Required of students specializing in Chemistry. Prerequisite: Chemistry 2 or 4. Three hours lecture. Twelve hours laboratory. Five hours credit. First semester. Upson.

20. Advanced Qualitative Analysis—Special methods in qualitative analysis including the use of the spectroscope. Nine hours laboratory. Three hours credit. Second semester. Eastlack.

21. Quantitative Analysis—The principles of gravimetric analysis. Prerequisite: Courses 2 and 19. One hour lecture. Eight to fourteen hours laboratory. Three to five hours credit. First semester. Eastlack.

22. Quantitative Analysis—Course 21 continued. Volumetric analysis. One hour lecture. Eight to fourteen hours laboratory. Three to five hours credit. Second semester. Eastlack.

23. Special Methods in Quantitative Analysis. Prerequisite: Course 22.

23-E—Electrolytic Analysis.

23-F—Food Analysis.

23-G—Gas Analysis.

23-IS—Iron and Steel Analysis.

23-Or.—Organic Elementary Analysis.

23-W—Water Analysis.

Each six hours laboratory. Two hours credit. First or second semester.

123. Agricultural and Soil Analysis—Laboratory work on the analysis of feeding stuffs, dairy products and soils. Prerequisite: Course 22. Given at the College of Agriculture. Nine to fifteen hours laboratory. Three to five hours credit. Second semester. Calvin.

24. Advanced Analytical Chemistry—Leading to Analytical Research. Nine to fifteen hours laboratory. Three to five hours credit. First and second semesters. Eastlack.

27. **Fire Assaying**—Principles and practice of the estimation of gold, silver and lead in ores and metallurgical products, by fire methods. Prerequisite: Courses 2 or 4 and 19. Two hours credit. Two hours lectures and recitations. Four hours laboratory. Three hours credit. First semester. Borrowman.

28. **Wet Assaying**—A study of methods in the analysis of ores and metallurgical products by volumetric procedures chiefly. Two hours lectures and recitations. Four hours laboratory. Three hours credit. Second semester. Borrowman.

Organic and Biochemistry

31. **Elementary Organic Chemistry**—Lectures, recitations and laboratory work on the compounds of the aliphatic and aromatic series. For students not specializing in chemistry. Prerequisite: Course 2 or 4. Three hours lecture. Six hours laboratory. Six hours preparation. Five hours credit. First and second semesters. Fossler

33. **General Organic Chemistry**—Prerequisite: Chemistry 2 or 4. Three hours lecture. Six hours laboratory. Six hours preparation. Five hours credit. First semester. Upson

34. **General Organic Chemistry**—Course 33 continued. Second semester.

Note: Courses 33 and 34 form a continuous course covering the compounds of carbon, including the fatty and aromatic series. The chemical behavior, the characteristic reactions and the relationships of the different classes of carbon compounds are discussed in great detail. Modern theories are freely used. Richter's or Perkin's and Kipping's organic chemistry are used as reference books. Required of students specializing in Chemistry. Graduate students who have had laboratory work in Organic Chemistry may register for the lectures only.

35. **Advanced Organic Chemistry**—Lectures and readings based on Cohen's Organic Chemistry volumes I and II. Three hours lecture. Three hours credit. First semester. Upson

36. **Advanced Organic Chemistry**—Course 35 continued. Three hours lecture. Three hours credit. Second semester. Upson

38. **The Carbohydrates and the Terpenes, and Their Derivatives**—Prerequisite: Course 34. Two hours lecture. Two hours credit. Second semester. Upson

39. **Advanced Organic Preparations**—Prerequisite: Course 34. Laboratory work in Organic Chemistry preparatory to research. The

preparation of a number of typical organic compounds. Nine to fifteen hours laboratory. Three to five hours credit. First semester.

Upson

40. **Advanced Organic Preparation**—Course 39 continued. The repetition of some classical piece of organic research. Nine to fifteen hours laboratory. Three to five hours credit. Second semester.

Upson

43. **The Chemistry of Nitrogen Compounds**—Prerequisite: Course 34. Lectures on the compounds of nitrogen both inorganic and organic. Two hours lecture. Two hours credit. Laboratory work for additional credit may be elected. One hour credit for each three hours laboratory. First semester.

Fossler

44. **The Chemistry of Dye Stuffs, Essential Oils and Synthetic Drugs**—Prerequisite: Course 34. Three hours lecture. Three hours credit. Laboratory work following Fischer's "Preparation" may be elected. One hour credit for each three hours laboratory. Second semester.

Fossler

46. **Biochemistry**—The chemistry of carbohydrates, fats, proteins, colloids, and inorganic food materials. The chemistry of enzyme action, the chemistry of digestion, metabolism and excretion and the chemistry of nutrition are considered. This course presents the principles of physiological chemistry as a foundation for work in the biological sciences. Prerequisite: Course 31. Three hours lecture. Six hours laboratory. Five hours credit. Second semester. Fossler

48. **Animal Nutrition**—Lectures and readings on animal nutrition, composition and digestibility of foods, their influence on growth, milk production, etc. Calorimetry methods of investigation. Prerequisite: Course 31. Two hours lecture. Two hours credit. Second semester.

Calvin

Physical and Theoretical Chemistry

51. **Elementary Physical Chemistry**—Lectures on the laws of gases, the atomic and kinetic theories, optical activity, phase rule, etc. Laboratory work on the determination of vapor densities, molecular weights, degree of ionization, rate of reaction, optical activity, etc. Prerequisite: Chemistry 22. Two hours lecture. Six hours laboratory. Four hours preparation. Four hours credit. First semester.

52. **Physical Chemistry**—Course 51 continued. Lectures and recitations on the theories of solutions, electro chemistry, reaction velocity, chemical equilibrium and related subjects. Laboratory work; continuation of course 51. Two hours lecture. Six hours laboratory. Four hours preparation. Four hours credit. Second semester.

58. **Colloid Chemistry**—The classification of disperse systems. The electrical, chemical, optical, and physical properties of substances in the colloid state. Prerequisite: Courses 22 and 31. Two hours lecture and demonstration. Two hours credit. Second semester. Upson

59. **Radio Activity and the Nature of Matter**—Two hours lecture. Two hours credit. First semester. Plum

Industrial and Technical Chemistry

63. **Industrial Chemistry**—A study of the industries having a chemical basis, such as the manufacture of iron and steel, cements, soaps, clay ware, explosives, etc. Prerequisite: Courses 2 or 4 and 31. Three hours lectures and recitations; collateral readings, reports. Three hours credit. First and second semesters. Borrowman

65. **Dental Chemistry**—Chemistry and metallurgy as applied to dentistry. Prerequisite: Course 2 or 4. Two hours lecture. Four hours laboratory. Two hours credit. First semester. Borrowman

66. **Dental Chemistry**—Course 65 continued. Second semester.

67. **Water Chemistry**—A study of water for industrial use; methods of analysis and purification. Prerequisite: Courses 2 or 4, 19 and 22. Two hours lectures and quiz. Four hours laboratory. Two hours credit. First semester. Borrowman

68. **Advanced Water Chemistry**—Advanced work along lines indicated in course 67, involving comparison of methods, etc. Collateral readings and consultations with instructor in charge. Laboratory work arranged with instructor. Credit according to work done. Second semester. Borrowman

69. **Ceramics**—A study of the physical and chemical properties of clays. Prerequisite: Courses 2 or 4, 19 and 22. Two hours lectures and quiz. Four hours laboratory. Two hours credit. Borrowman

80-88. **Research Work**—These courses will include from thirty to forty hours per week of laboratory work in one of the divisions of chemistry under the direction of a member of the department. The research work for a Doctor's thesis will require from three to five semesters. The candidate must satisfy the members of the department that he has had adequate training before he will be admitted to research.

80. **Research in Organic, Physical Organic or Colloid Chemistry.**

Upson

82. **Research in General or Physical Chemistry.**

Plum

84. **Research in Industrial or Analytical Chemistry.**

Borrowman

86. **Research in Analytical or Physical Chemistry.**

Eastlack

88. **Research in Organic Chemistry.**

Fossler

CIVIL ENGINEERING

(See "Engineering Courses")

DAIRY HUSBANDRY

(See "Agricultural Courses")

DRAWING AND PAINTING

(See "Fine Arts Courses.")

ECONOMICS AND COMMERCE

Professor LeRossignol (*Head of Department*), Professor Virtue, Associate Professor Stephens, Associate Professor Martin, Associate Professor Freeman, Assistant Professor England, Mr. Bullock, Mr. Cole

UNDERGRADUATE WORK

Order of Studies—Students who can take but one year's work in Economics are advised to take courses 1 and 1a. Those who expect to take several courses may begin with courses 1 and 1a, which are prerequisite to all but courses 3, 4, 5, 9, 10, and 13; or they may begin with some of these more descriptive courses, which give a good preparation for course 1.

Major and Minor Requirements—Students taking a major (24 to 32 hours) in Economics are required to take courses 1, 1a, 9, 10, 15 and 16, and are advised to take also courses 2, 19, 24, 25, 26, 31 and 35. Students taking a minor (16 hours) in Economics are required to take courses 1 and 1a.

The School of Commerce was organized in 1913 for the purpose of giving professional training to students preparing for a business career, for employment in certain branches of the public service and for the work of teaching Economics and Commerce in high schools and colleges. Special courses are provided in Accounting, Business Organization, Business Law and kindred subjects. Copies of the Bulletin of the School of Commerce may be had on application to the Registrar.

Vocational Training—Many of the courses in Economics are of special value to students preparing for agriculture, engineering, law, journalism, the public service, insurance, banking, or other lines of business activity, and students should plan their courses in consultation with the instructors of the department with such ends in view.

GRADUATE WORK

Candidates for the degree of Master of Arts are required to complete at least one year's work and to present a satisfactory thesis, showing ability to carry on independent investigation and to assemble the results. A candidate may give all of his time to economic studies, or he may offer a major (24 hours) in one department and a minor (10 hours) in another.

Candidates for the degree of Doctor of Philosophy are required to complete at least the equivalent of three years' work after taking the Bachelor's degree or two years' work after the Master's degree, but the degree will not be granted unless the candidate attains a satisfactory standard of scholarship, irrespective of time of residence or study. In addition to his major course, which should represent about three-fifths of the total work, the candidate may offer one minor or two. Candidates taking a major in Economics are usually advised to take minors in History, Political Science, Philosophy or other subjects more or less closely related to the major. In every case a thesis is required, embodying the results of original investigation.

The University offers excellent opportunities for graduate study and research. Several important libraries are accessible to students, and there is no lack of promising fields of investigation, particularly along lines of public and private finance, economic history of Nebraska and the West in general, agricultural conditions, commercial relations, and problems of capital and labor. The Department offers a number of special courses, and these may be supplemented by allied courses in other departments.

1. Principles of Economics—Elementary course. Preliminary view of the subject. Intended as a preparation for the more special courses offered in the Department. The industrial organization of society; development of natural resources; occupations and the division of labor; production, exchange and distribution of wealth; utility and value; wages, interest, rent and profits; money and credit; rise and fall of prices and the cost of living; transportation; domestic and foreign commerce; protection and free trade; trusts and trade unions; state and municipal ownership; socialism. (Courses 1 and 1a are prerequisite to all of the following except courses 3, 4, 5, 9, 10, 14 and 20.) Three hours attendance. Three hours credit. First semester.

LeRossignol, Virtue, Stephens, England, Bullock

1a. Principles of Economics—1 continued. Three hours attendance. Three hours credit. Second semester.

2. Money and Banking—Origin of money; early forms of currency; metallic money; credit money; monetary history of the United States; bimetallism; the gold standard; relation of money and credit to the general level of prices; nature and use of credit; domestic and foreign exchange; history and theory of banking; banking systems of Great Britain, Germany, France and Canada; national, state and private banks, the Federal Reserve Act. Three hours attendance. Three hours credit. First semester.

England

2a. Practical Banking—A course in banking practice, treating of the actual operations of the various departments of a bank. Special attention is given to classification of loans, collateral, investments, do-

mestic and foreign exchange, bank accounts, and the relation of banks to their customers and correspondents. Three hours lecture. Two hours laboratory. Three hours credit. Second semester. England

3. **Commercial Geography**—A general survey of the fundamental conditions and human agencies affecting industrial and commercial development, followed by a careful study of the natural resources, industries, and products of the United States, continental and insular. Emphasis is laid upon domestic trade in relation to the localization of industry. (For a discussion of the physical basis of commerce, attention is called to courses 5 and 6 of the Department of Geography.) Two hours attendance. Two hours credit. First semester.

Stephens, Freeman

4. **Commercial Geography**—A continuation of course 3. A study is made of the leading commercial countries of the world with respect to their industries, commodities, and commerce. Special attention is given to the part which those countries play in world commerce, and particularly in trade with the United States. Prerequisite: Course 3. Two hours attendance. Two hours credit. Second semester.

Stephens, Freeman

5. **Principles of Accounting**—An introductory course designed to furnish such a knowledge of accounting as will be of value to the business executive and will also serve as a foundation for the work of the professional accountant. The business equation, the various kinds of accounts and their relation to each other, the development of the books and records, the character and purpose of financial statements and similar topics are considered. The relation of accounting to business management is emphasized thruout the course. Two hours attendance. Three hours laboratory. Three hours credit. First semester.

Martin, Cole

5a. **Principles of Accounting**—A continuation of course 5. Two hours attendance. Three hours laboratory. Three hours credit. Second semester.

Martin, Cole

5b. **Cost Accounting**—The nature and purpose of cost accounts and their relation to the commercial and financial accounts of a concern. The proper methods of recording material and labor costs; the items comprising overhead expense and the various methods of apportioning such expense to the different units of products; the preparation of cost reports; the application of cost accounting principles and methods to various types of industries. Prerequisite: Courses 5 and 5a. Two hours attendance. Two hours laboratory. Two hours credit. Second semester.

Martin

5c. **Advanced Accounting**—Advanced theory of accounting with practice in the solution of problems selected from C. P. A. examinations

in various states. Among the topics considered are: The valuation of assets; capital vs. revenue expenditures; goodwill; depreciation; reserves and reserve funds; sinking funds; realization and liquidation accounts; insolvency accounts; executorship accounts; consolidations. Prerequisite: Courses 5 and 5a. Three hours attendance. Three hours credit. First semester. Martin

5d. **Advanced Accounting**—A continuation of course 5c. In addition to the topics mentioned consideration will be given to the accounts of municipalities and other governmental bodies and of public institutions. Three hours attendance. Three hours credit. Second semester. Martin

5e. **Auditing**—The duties and responsibilities of an auditor; the methods of conducting various kinds of audits; the preparation of the auditor's report; the auditor's certificate; special problems in the audit of different kinds of business undertakings. Prerequisite: Course 5d. Two hours attendance. Two hours credit. First semester. Martin

6. **Fire Insurance**—The rise, progress, and present status of fire insurance are briefly outlined and the functions of such insurance noted. Special attention is given to the making of rates and to hazards, the basis of rate making. The provisions of the New York standard policy are studied with considerable minuteness. The organization of the company and agencies, and the relations existing between company, agent, and insured are considered. Thruout the course the regulations of the Nebraska Insurance Code and those of other states are emphasized. Three hours attendance. Three hours credit. First semester. Stephens

6a. **Life Insurance**—The historical development of life insurance is reviewed and the economic importance of such insurance emphasized. The essential features of insurance administration, governmental control and supervision of insurance companies, the various methods of computing premiums, the organization and management of agencies, taxation of insurance companies, and other important questions are discussed. Special attention is given to a detailed comparative study of the chief provisions in various sample policy contracts. (Students desiring to study the mathematical basis of insurance are advised to take Mathematics 42.) Three hours attendance. Three hours credit. Second semester. Stephens

[7. **History of Commerce**—The chief features of commercial development during medieval and modern times; the basis of commercial intercourse; the evolution of methods of inland and ocean transportation; the trade of leading commercial nations; changes in forms of commercial organization; the rise of trading companies and modern corporations, waves of trade; shifting of trade routes; development of

shipping and the art of navigation; commercial policies of leading nations and the theories upon which they have rested. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.*

Virtue]

8. **International Trade and Trade Politics**—Historical sketch of modern commerce; survey of the present trade of leading nations; theory of international trade; commercial policies; agencies for promoting foreign commerce; organization of export trade; organization of ocean shipping; the merchant marine question; relation between war and commerce. Three hours attendance. Three hours credit. Second semester.

Virtue

9. **Economic History of the United States**—This course deals with the main lines of our industrial development from the colonial period to the middle of the 19th century. The chief topics discussed are colonial industries and commerce; the economics of the Revolution; the settlement of the West; the growth of fundamental industries; commerce and shipping; commercial policy, including the early history of the tariff; financial history, including monetary and banking arrangements; history of manufactures; labor systems and labor organizations. Two hours attendance. Two hours credit. First semester.

Virtue

10. **Economic History of the United States**—A continuation of course 9, showing the economic development of the United States from the middle of the 19th century to the present time. The general lines indicated in course 9 are followed and new features in industrial life are treated as they arise, such as westward expansion, the land policy of the government, the development of transportation, the economics of slavery, agrarian and labor movements, corporations and trusts, the decline of our merchant marine, the growth of domestic and foreign commerce, present industrial position of the country. Two hours attendance. Two hours credit. Second semester.

Virtue

[11. **Tariff History of the United States**—While the tariff policy of the United States and its relation to industry and trade is the chief subject of study, the course includes also a survey of the tariff systems of other countries; a study of the merits of protection and free trade; our reciprocity agreements and their results; a study of selected industries in relation to tariff legislation; the main features of tariff administration. Two hours attendance. Two hours credit. Second semester. *Not given in 1918-1919.*

Virtue]

[12. **Financial History of the United States**—The course covers the field of the financial operations of the Federal government since 1789; but gives special prominence to the period since 1860. It deals with sources of Federal revenue and objects of expenditure; financial management in time of war; the movement of the public debt and its management; the evolution of our monetary and banking systems.

Three hours attendance. Three hours credit. Second semester.
Not given in 1918-1919. Virtue]

13. **Business Law**—Contracts, including mistake, fraud, duress, and capacity of parties; agency; insurance; sales and mortgages of personal property; bailments. Three hours attendance. Three hours credit. First semester. Bullock

14. **Business Law**—A continuation of course 13. Negotiable instruments; suretyship and guaranty; partnership; private corporations; bankruptcy. Three hours attendance. Three hours credit. Second semester.

14a. **Business Law**—A study of the law relating to particular businesses. Open to a limited number of senior students. One hour credit. Second semester. Bullock

15. **Advanced Economics**—A review of the fundamental principles of economics devoted chiefly to theories of value and distribution. History of economic thought; medieval economics; Mercantilists, Cameralists and Physiocrats; the English classical economists; the Historical School; the Austrian School; relation of economic theory to industrial conditions; importance of economic theory in relation to social reform. Students registering in this course are expected to continue in course 16. Two hours attendance. Two hours credit. First semester. LeRossignol

16. **Advanced Economics**—A continuation of course 15. Two hours attendance. Two hours credit. Second semester.

19. **Economic Crises**—A comparative study of economic, industrial and financial crises from the seventeenth century to the present day. Especial attention is given to the recent world crises. The work covers the local and minor crisis preliminary to the main crisis and the transmission of the crisis from country to country; the fluctuation in investment, bank items, and prices in the principal countries; the action and reaction between industrial activity and financial business. Supplementary readings on the theory of crises. Two hours attendance. Two hours credit. First semester. England

20. **Business Course for Women**—Scientific expenditure of money; family accounts; property rights; management of estates; insurance; investments. Open to all women of junior and senior standing. Two hours attendance. Two hours credit. First semester. England

[22. **Municipal Industries**—A study of the principles and methods involved in the construction and operation of municipal public utilities; growth and importance of these industries in the United States and in foreign countries; direct versus contract method of construction and repairs; municipal ownership versus regulated private ownership of the leading public service utilities. Three hours attendance. Three hours credit. Second semester. *Not given in 1918-1919.* Virtue]

24. Railway Economics—This course includes a brief survey of the evolution of transportation; its relation to economic and social life; problems of railway competition and how they have been met; financial methods of railway companies; railway accounts; principles of rate making; history of state and federal legislation; public control thru state and federal commissions; government ownership and its results. Three hours attendance. Three hours credit. First semester.

Virtue

25. Corporation Finance and Investments—This course includes a study of corporate organization, capitalization, income, expansion, readjustment and contraction. Special emphasis is given to the discussion of the merits and elements of the stocks and bonds of industrial, public service and railway corporations as investments, and the stock market methods underlying their purchase and sale. Two hours attendance. Two hours credit. First semester.

Stephens, Freeman

25a. Investments—A continuation of course 25. Two hours attendance. Two hours credit. Second semester. Stephens, Freeman

26. Trust Problems—The rise and development of trust forms of business organization; the conditions essential to the operation and growth of trusts; the elements of large-scale production and monopoly entering into the formation of trusts; dangers arising from their unrestricted operation; remedies, including governmental interference; Federal and state anti-trust laws and decisions. Two hours attendance. Two hours credit. Second semester.

Stephens, Freeman

27. Marketing—The distribution of manufactured products; the different selling agencies and their relation to the distribution system; selling problems and the sales organization of the manufacturer; the wholesaler; the general retailer; the co-operative store; the department store; the mail order store; the chain store. Emphasis is placed upon the problems of retail store organization and management. Two hours attendance. Two hours credit. First semester.

Martin

27a. Advertising—The theory, practice and technique of advertising; advertising as a business force; economic aspects of advertising; advertising as affected by the commodity and the medium; the advertising manager; the advertising agency. In order to familiarize the student with advertising problems, assignments will be given in the formulation of advertising campaigns and the preparation of copy. Two hours attendance. Two hours credit.

Cole

28. Business Organization—A study of the underlying principles of organization and management and their application in various types of undertaking. The planning of buildings and equipment; the purchase and handling of materials; the employment, direction and payment of labor; welfare work; administrative control; orders and reports; scien-

tific management. Three hours attendance. Three hours credit. Second semester. Martin

31. **Public Finance**—A study of the principles of public finance; nature and growth of public expenditures; sources of revenue; nature of the taxing power; chief features of various tax systems, especially those of the United States, England, France and Germany; theory, methods of administration and individual effects of various taxes; systems of financial administration, especially methods of budget control; public debts, their forms and management. Three hours attendance. Three hours credit. First semester. Virtue

32. **Public Finance: State and Local Taxation**—A continuation of course 31. The course deals mainly with revenue problems in the American States and centers largely around the law and practice in Nebraska; the general property tax, its theory and operation; problems of corporation and business taxation; income and inheritance taxes; problems of state and local administration; current movements for tax reform. Open to those who have had course 31 or its equivalent. Three hours attendance. Three hours credit. Second semester. Virtue

[34. **Statistics**—The theory, preparation and interpretation of statistics; the statistical unit; the different kinds of averages and their uses; frequency curves; the normal curve of distribution; correlation; accuracy; graphic methods; application of statistics to business. (Students desiring further work in statistics are advised to take Mathematics 41.) Two hours attendance. Three hours laboratory. Two hours credit. Second semester. *Given in 1917-1918 and alternate years.* England, Freeman]

35. **Labor Problems**—History of the labor movement in Europe and America; wages in the 19th century; theory of wages; methods of remuneration; the minimum wage; hours and conditions of labor; migration; organization and conflicts of capital and labor; conciliation and arbitration; employers' liability; insurance and pensions; workingmen in politics; relation of Socialism to the labor movement. Three hours attendance. Three hours credit. First semester. LeRossignol

36. **Methods of Industrial Peace**—A special study of the labor problem as a conflict between employers and laborers, harmony and divergence of interests; organization of employers and laborers; their aims and methods; interests of the general public; gains and losses thru strikes; trade agreements; conciliation; voluntary and compulsory arbitration; co-operation; profit sharing; political activities of workingmen and benefit obtained thru legislation; experience of New Zealand, Australia and Canada; progress of the working class in the United States and other countries. Three hours attendance. Three hours credit. Second semester. LeRossignol

[37. **Socialism**—History of socialistic thought before the French Revolution; Utopias of Plato, More, Campanella; relation of the French Revolution to modern Socialism; Utopian theories of Owen, Saint Simon, Fourier; communistic experiments in Europe and America; Proudhon, Blanc, and other French socialists; Marx, Engels, Lassalle and other German socialists; growth of Socialism thruout the world; Socialism in the United States; Syndicalism; recent socialistic theory and criticism. Three hours attendance. Three hours credit. First semester. *Not given in 1918-1919.* LeRossignol]

[38. **The Minimum Wage**—History of minimum wage legislation in New Zealand, Australia, Great Britain and the United States. A seminar course open to graduates and other advanced students. Three hours attendance. Three hours credit. Second semester. *Not given in 1918-1919.* LeRossignol]

45. **Economic Seminar**—Open to a limited number of graduates and other advanced students. Each student will make an intensive study of a given subject, under the direction of a member of the Faculty, and will report the results of his investigation before the class. Members of the Faculty also will give lectures and take part in the discussions. One to two hours attendance. One to three hours credit. First semester. LeRossignol, Virtue, Stephens, Martin, England

46. **Economic Seminar**—A continuation of course 45. Students registering for course 45 will be expected to continue in course 46, and will receive credit according to the work which they do. One to three hours credit. Second semester.

EDUCATION

General Statement

The departments of education, I to VIII, as now organized offer courses in the history, science, philosophy and practice of education, fundamental to the undergraduate and graduate preparation of teachers. The courses are planned for juniors, seniors and graduates, and should not be taken by others except on the advice of the instructor.

To meet the need of pedagogical instruction in the normal training high schools and in the normal schools as given in the undergraduate college the departments offer a major in education as follows: (1) The major to include six hours in Education and three hours in Philosophy in addition to the present requirement of fifteen hours in Education and six hours in Philosophy for the University teachers' certificate; or (2) the major to include three hours in Education and six hours in Philosophy in addition to the present requirements for the University teachers' certificate as given above.

For the above major in Education, courses 1, 2, 7, and 20 or 21 in Education and 1 and 2 in Philosophy are required of all. The additional courses to make up the required number of hours may be elected by the student under the advice of the professor concerned with the major subject.

In the undergraduate work of education stress is placed on the practical side. Critical study is made of the relation between the learning process and the teaching process, and the student is required to engage in actual teaching under supervision, until he has gained more or less skill as an instructor. At least one semester is devoted to observation and criticism of expert teaching as exemplified in the Teachers College High School or the Lincoln public schools. Those preparing for kindergarten education devote, during their junior or senior year, three hours per day for one semester to apprenticeship in the kindergartens of the Lincoln schools, where they become familiar with the aims of kindergarten instruction.

Those preparing for the primary, intermediate or grammar school devote, during their junior or senior year, six hours for one semester to apprenticeship in one of the grades of the public schools. Candidates desiring to enter the field of secondary instruction, assume for one semester in the Teachers College High School the entire charge of the class from three to five hours a week.

Courses

I. EDUCATION

Professor Luckey (*Head of Department*), Associate Professor Bentley

1. **History of Education**—Ancient and medieval, beginning with the earliest periods and extending to the time of Rousseau. A study of the physical, moral and intellectual development of mankind, including man's effort to realize his ideals thru systems of education. An interpretive courses outlining more or less clearly the stages of racial development and the order and growth of the more important instincts. Important as a foundation to advanced work in education. Prerequisite to graduate courses in education. Open to juniors, seniors and graduates. Three hours attendance. Three hours credit. First semester. Luckey

2. **History of Modern Education**—From the time of Rousseau to the present, including the beginning, growth and present condition of education in America. Open to juniors, seniors and graduates. Three hours attendance. Three hours credit. Second semester. Luckey

3. **Educational Classics**—A historical and critical study of the educational writings of Rousseau, Pestalozzi, Herbart, Froebel and Spencer, a valuable preparation for course 7. Rousseau's *Emile*, Pestalozzi's

Leonard and Gertrude are the subjects for the first semester. Open to juniors and seniors. Three hours attendance. Three hours credit. First semester.

4. **Educational Classics**—Course 3 continued. Froebel's Education of Man and Herbart's Science of Education. Three hours attendance. Three hours credit. Second semester.

5. **Systems of Education**—Their origin and development, including a comparative study of the leading systems of education in Europe and America. The educational systems of Germany, France, England and the United States are separately studied and compared. Open to seniors and graduates. Two hours attendance. Two hours credit. First semester.

Luckey

6. **School Hygiene**—A seminary course devoted to the study of school environments and curricula in reference to their effect upon the health, growth and development of school children, including the location and sanitation of school buildings—light, heat, ventilation, furniture, medical inspection, school diseases, baths, lunches; sleep, food, clothing, exercise, study, fatigue, recreation, health of teacher and pupils. Open to seniors and graduates. Two hours attendance. Two hours credit. Second semester.

Luckey

7. **Child Study**—The physiology and psychology of childhood, with reference to the pedagogical principles involved; the literature and investigations of special interest to teachers; specific methods used in child study; the effect of child study on methods of instruction, school management and other subjects of practical pedagogy. This course is concerned with the nature, health, growth and development of the child for the first twelve years. It is fundamental to the course in adolescence. Open to juniors and seniors. Three hours attendance. Three hours credit. First semester.

Luckey

8. **Experimental Education**—A critical study of the psycho-educational processes involved in teaching; of the methods used and the results obtained thru child study investigations and educational experimentation; of the important school surveys and their value. Emphasis is placed on the evolving mind, and the training of students to become accurate observers and original thinkers. Lectures, readings, experiments, and special reports. Planned especially for graduates majoring in education. Open to all members of the Graduate School of Education who have college credit in child study and psychology. Three hours attendance. Two hours laboratory. Three hours credit. Second semester.

Luckey

9. **Adolescence**—The health, growth, mental and moral development of youth as related to the various problems of secondary education such as attendance, interest, habits of study, discipline, school spirit,

ideals, play, work, character. An advanced course in child study especially adapted to secondary teachers, principals and superintendents. Prerequisite: Courses 1, 2 and 7. Intended primarily for graduates. Two hours attendance. Two hours credit. First semester. Luckey

10. **Adolescence**—Course 9 continued. Second semester.

11. **Philosophy of Education**—A study of the principles underlying all education, and their influence in determining the material, the curriculum, and the method of instruction. Open to graduate students or seniors specializing in education. Two hours attendance. Two hours credit. First semester. Luckey

12. **Philosophy of Education**—Course 11 continued. Second semester.

13. **Graduate Seminary**—A study of current educational literature as found in the best periodicals, and a study of one or more educational problems of special interest to the teachers of Nebraska. Students will be directed in the preparation of theses and productive studies leading to higher degrees in education. Open to graduates who are working for higher degrees in education. One or two hours credit. First semester. Luckey

14. **Graduate Seminary**—Course 13 continued. Second semester.

15. **The Junior High School**—Reorganization of high school and intermediate grades. The adjustment of the intermediate school to various demands; to preparation for college and for life, to adolescence, to intended occupations, to improvement of the administration of the school system. High school subjects in the grades. Departmental teaching. Types of intermediate schools. The junior high school and improved training for vocation and citizenship. A partial solution of the problems of consolidation in rural districts and of the school of one teacher. Four hours attendance. Two hours credit. Summer session. Bentley

16. **Vocational and Educational Guidance in the High School**—A study of the types of service other than class-teaching which the modern high school renders, and of the organization of aids to choosing life-work and schools. Open to seniors and graduates. Three hours attendance. One hour credit. Summer session. Bentley

16a in Education or 16 in Philosophy. **Educational Psychology**—A practical study of the factors which influence the development of body and mind. May be applied on required hours in education. Two hours attendance. Two hours credit. Second semester. Wolfe

17. **The Philosophy of the Kindergarten**—Thru a critical study of Rousseau's *Emile*, Pestalozzi's *Leonard and Gertrude* or *How Gertrude Teaches her Children*, and Froebel's *Education of Man*, the fundamental principles of the kindergarten as related to primary education

are shown and the minimum essentials of both the kindergarten and primary education are clearly presented. This course should precede all others in kindergarten instruction. Open to juniors and seniors. Three hours attendance. Three hours credit. First semester.

Luckey

II. EDUCATIONAL PSYCHOLOGY

In charge of Professor Wolfe

16. **Educational Psychology**—A practical study of the factors which influence the development of body and mind. Attention will be given to recent studies on the learning process, the methods of mental testing and the interpretation of results; especially in cases of retardation and acceleration. Open to teachers, and also to students in the last two years of their course, who have had a semester of psychology. Two hours attendance. Two hours credit. Second semester.

Wolfe

III. EDUCATIONAL THEORY AND PRACTICE

Professor Fordyce (*Head of Department*), Miss Allen, Mr. Reimund

18. **The Kindergarten**—Course 17 continued. In this course the practical application of the principles studied in 17 is emphasized. Two hours attendance. Two hours credit. Second semester. Allen

19. **Principles and Practice in the Kindergarten**—In this course, the candidate is assigned to assistant work in one of the Lincoln kindergartens, where, under the direction of an expert teacher, she becomes familiar with the nature of the developing child, and with the materials and methods adapted to his needs. The course includes readings and practical work, bearing upon kindergarten activities, including story telling, songs, the use of the Froebelian gifts, and allied materials, and upon the course of study and the best kindergarten practice. Fifteen hours attendance. Three hours credit. First semester.

19a. **Principles and Practice in the Kindergarten**—Course 19 continued. Second semester.

20. **Principles of Teaching in the Elementary School**—The development and formulation of the principles of method as gained thru lectures, assigned reading and the study and discussion of the teaching process as observed in elementary schools. Two or three hours attendance. Two to three hours credit. First and second semesters.

Fordyce

21. **Educational Theory and Practice in the Secondary School**—Lectures and assigned readings on the principles and technique of high-school instruction. The practical work embraces the observation, the written criticism and the discussion of the teaching of the various secondary subjects in the Teachers College High School. Two or three hours attendance. Two to three hours credit. First and second semesters. Fordyce

22. **Problems in Teaching**—A conference course for the discussion of problems arising in class room practice. Two hours attendance. Two hours credit. First and second semesters. Fordyce

23. **The Technique of Instruction**—A practical application of the principles of teaching as formulated in the preceding courses. Three to five hours attendance. Two to three hours credit. First and second semesters. Fordyce

Note: Education 33 and English Language and Literature 31 are accepted in lieu of course 23.

24. **Statistical Methods**—The application of statistical methods of educational problems simplifying such original works as those of Yule, Bowley, Pearson and others. Lectures and practical work on the collection, tabulation and interpretation of educational data, including the methods of determining frequency distribution, medians, variability and the measurements of relationship, including the coefficient of correlation and the probable error. Two hours attendance. Two hours credit. Second semester. Fordyce.

GRADUATE COURSES

25. **Educational Measurements**—A consideration of the standards and scales for the measurement of educational processes together with the technique of applying these standards to educational products in determining efficiency in school achievements and in conducting school surveys. Two hours attendance. Two hours credit. First semester. Fordyce.

26. **Supervision of Instruction**—This course offers to graduate students and to experienced teachers an opportunity to study the underlying principles of criticism and the general functions of supervising officers, including the application of established standards in measuring teaching efficiency and in the improvement of teachers in service. Practical work in supervision is provided in the Teachers College High School. Two hours attendance. Two hours credit. Second semester. Fordyce.

26a. **School Surveys**—A study of the results of the principal city, county and state surveys recently made and the technique of conducting such surveys as a basis of field investigation. Each student will be

assigned a school system for a critical study for a period extending thru the scholastic year, embracing the following: Course of study, achievements of pupils, quality of instruction, supervision, classification and progress, social and recreative activities, selection, training and tenure of teachers, buildings and equipments, records, reports and expenditures. The results of these studies shall be embodied in a detailed report. Prerequisite: Course 25. Two to three hours credit. Fordyce.

26b. **School Surveys**—Course 26a continued. Two to three hours credit. Second semester. Fordyce.

IV. SCIENCES IN SECONDARY EDUCATION

Professor Brownell (*Head of Department*), Miss Nelson, Mr. Clayburn

So wide is the range of preparation demanded of science teachers for high schools that choice of college courses from the beginning of the sophomore year becomes necessary to get an all-round preparation for high school science positions, and to fulfill the requirements for teachers' certificates and for the A. B. or B. Sc. degree. In general, the choice of electives should be groups of somewhat closely related subjects. In the courses offered in this department it is advised that Methods in General Science 34 be taken in the sophomore year, Physics 15b and other courses in the junior and senior years.

For those who teach Agriculture, Botany or General Science in the Teachers College High School, course 33 in Theory and Practice is a substitute for course 23.

To avoid conflicts in University and high school schedules it is desirable to have teaching assignments made a semester in advance.

Teaching Courses in Secondary School Sciences

Register for Chemistry 16, Geography 11, Physics 16, Physiology 15, or Theory and Practice 33. These courses must be accompanied (preferably preceded) by Theory and Practice 20, 21, or 22, and by one or more of the methods courses,—Agricultural Education 1, Botany 33, Chemistry 15 or 29b, Geography 7, General Science 34, Physics 15 or 15b, Physiology 14.

The teaching courses consist each of a semester of teaching of classes in high school sciences under closest supervision. They involve (a) class management and class instruction, making of lesson plans, review of examination papers, provision for desk experiments; (b) direction of laboratory work with sections of science classes in the high school, care of the laboratory and its supplies, preparation in advance for experimental work, assistance to pupils at the tables, and review of laboratory papers handed in. Two hours conference. One, two, or three hours credit. First and second semesters.

Brownell, Nelson, Clayburn.

Methods Courses in Secondary School Sciences

27. **Special Methods in Physics**—Register for Physics 15. Two hours credit. Second semester. Brownell.
28. **General Course in Physics**—Register for Physics 15b. Three hours credit. First semester and Summer School. Brownell.
29. **Special Methods in Chemistry**—Register for Chemistry 15. Two hours credit. Second semester. Brownell.
- 29b. **General Course in Chemistry**—Register for Chemistry 29b. A course in general chemistry based upon the experiments and text requirements of a year's course in high school chemistry. Corresponds to course 15b in Physics. Those parts of a high school chemistry course commonly found difficult in teaching given careful exposition. Two hours attendance. Three hours laboratory. Two hours credit. First semester and Summer School. Brownell.
30. **General Course in Aims of Secondary School Science and Their Attainment**—Responsibilities and opportunities of teachers for character development in pupils, and the procedure towards this end in science subjects. Parallel between teaching the facts and beliefs of science and of religion. Discussion of the ideals of teachers and of their impress on others, together with a scientific procedure in relation to moral training and the formation of right habits. Disciplinary problems due to lack of perception of fundamental principles of right conduct. For prospective teachers. Two hours each of laboratory exercises, of lecture and of preparation. Two hours credit. Second semester and Summer School. Brownell.
31. **Special Methods in Physical Geography**—Register for Geography 7. Two hours credit. First semester. Nelson.
32. **Special Methods in Physiology**—Register for Physiology 14. Two hours credit. Second semester. Nelson.
33. **The Teaching of High School Sciences**—Those who are to teach classes in Agriculture, Botany, and General Science in the Teachers College High School should register for Theory and Practice 33, in place of course 23. All such teachers, however, are to make reports at stated intervals as required in 23. One, two, or three hours credit. First and second semesters. Brownell, Nelson, Clayburn.
34. **Special Methods in General Science**—Selection and organization of subject matter in General Science and its manner of presentation. Three hours attendance. Three hours laboratory. Three hours credit. First and second semesters, and Summer School. Brownell.

Among "Electives" it is desirable to include some of the following: Astronomy 5, 2 hours; Botany 33 and 34, 2 hours each; Education 35 and 37, 1 hour each; Rural Economics 3, 3 hours; Geology 4, 2 hours; Hygiene and Physical Training 41 and 42, 2 hours each; Mechanical Engineering 1, 3 hours, and Mechanical Drawing, 1 hour; Meteorology 1, 2 hours; Physiology 1 and 2, 3 hours each; Zoology 3 and 4, 3 hours each.

The departments concerned recommend in general:

- For a minor in Agronomy, take 1, 2, 51, 52.
 For a minor in Botany, take 1, 2, 20, and Plant Physiology 105.
 Chemistry 1, 2, 29, 30, 31, give a minor.
 For a minor in Domestic Science, take 1, 2, 3, 4, 6, 13, 14. (See certain courses as prerequisites.)
 With Geography 1, 2, 4 (Meteorology), for a minor take 5, 6, 21 (or 9) and 7.
 Physics 11, 12, 13, 14 (or 1, 2, 3, 4) give a minor. With this take 15 (or 15b) and 16.
 For a minor in Zoology, take 3, 4 (or A), 20, 21 and 9 or 39.

V. SECONDARY EDUCATION

Professor Reed (*Head of Department*)

35. **The Secondary School**—A general course on the problems of the secondary school. Lectures, discussions, readings and reports. Open to juniors, seniors and graduates. One to two hours attendance. One or two hours credit. First and second semesters. Reed.

36. **The Secondary School**—An advanced course on the organization and problems of the secondary school. Open to graduates. Two hours attendance. Two hours credit. First semester. Reed.

VI. SCHOOL ADMINISTRATION

Professor Taylor (*Head of Department*), Associate Professor Hill

37. **Educational Organization and Administration**—This course is planned especially for superintendents and principals. It deals with the problems of organization and administration of public schools as viewed in the light of the prevailing systems in America. Among the topics considered are national and state control of education; the county, township, city and rural system; school building; playground; the school as a social center; inter-relation of school boards; superintendents, principals and teachers; supervision of instruction—the teaching staff, improvement of teacher in service; administration of secondary and elementary schools; education for defective and sub-normal children; discipline, government, courses of study, grading of promotion. Open to teachers in training. Number of hours credit depends upon work done. First semester. Taylor.

38. **Educational Organization and Administration**—Course 37 continued. Second semester.

VII. AGRICULTURAL EDUCATION

Professor Bradford (*Head of Department*)

1. **History of Vocational Education**—A survey of the history of vocational education. The demand for the practical in education and the response on the part of the schools. Studies of vocational schools,

pre-vocational courses in public schools, vocational guidance and the socialization of the course of study. Junior or senior year. Two hours attendance. Four hours preparation. Two hours credit. First semester. Bradford

2. **Agricultural Education**—The educational value of industrial and especially agricultural training; industrial training as applied to Nebraska and Nebraska problems; the part which the schools, rural and town, should take in education for rural life; courses of study and material for agricultural instruction in both rural and high schools; study of the preparation of the teachers of this work. Junior or senior year. Two hours attendance. Two hours credit. Second semester. Bradford.

VIII. METHODS OF INSTRUCTION IN ENGLISH

Professor Stuff (*In Charge*), Assistant Professor Clark

The following courses are, primarily, for those preparing to teach advanced, secondary and elementary English.

The University Teachers' Certificate—Because of the need of preparation in both Rhetoric and English Literature for certificated teachers, no majors or minors are offered or accepted in either subject singly. A combined major or a combined minor is provided for such as are preparing to teach English in secondary grades. The combined major embraces courses 1, 2, 11, 12 in Literature, and courses 3, 4, 7, 8 in Rhetoric. The combined minor includes course 1 in Literature, and course 7 in Rhetoric. But with each major or minor, courses 17, 18, in English Literature must be taken, as fundamental in either subject.

29. **Methods of Instruction in Secondary English**—A practical study of the synthetic, interpretative and technical phases of presenting this subject in secondary grades. Special attention given to outlining of courses, development of material, selection of books for school libraries and home readings. Experience in the preparation and presentation of topics will be gained in connection with the Teachers College High School Practice Course in Teaching English. Lectures, written reports, observation reports, criticism, library readings. Prerequisite: English Literature courses 1, 2, 11, 12; Rhetoric 3, 4. Two hours attendance. Two hours credit. First semester. Stuff

29a. **Methods of Instruction in Elementary English**—Open to all preparing to teach English in the elementary grades. Prerequisite: English Literature 1, Rhetoric 1. Two hours attendance. Two hours credit. First semester. Stuff, Clark.

30. **Methods of Instruction in Secondary English**—29 continued. Prerequisite: English Literature 1, 2, 11, 12, 17, 29. Two hours attendance. Two hours credit. Second semester. Stuff.

30a. **Methods of Instruction in Elementary English**—29a continued. Prerequisite: English Literature 1, 2; Rhetoric 1, 2. Two hours attendance. Two hours credit. Second semester. Stuff, Clark.

31. **Teachers Training Course**—Daily training in teaching. Study of problems arising from actual conditions in the class-room. One teachers' conference each week. Prerequisite: English Literature 1, 2, 11, 12, 29, 30. Two hours credit. May be registered for twice. First and second semesters. Stuff, Clark.

Courses Primarily for Graduates

32. **Seminary**—Advanced study of problems in teaching English in advanced, secondary and elementary grades. The field affords opportunity for individual research. The course includes investigation of existing conditions. Two hours attendance. Two hours credit. First semester. Stuff.

32a. **Seminary**—Course 32 continued. Two hours attendance. Two hours credit. Second semester. Stuff.

ELOCUTION

(See "Fine Arts Courses.")

ELECTRICAL ENGINEERING

(See "Engineering Courses")

ENGINEERING COURSES

AGRICULTURAL ENGINEERING

(See "Agricultural Courses")

APPLIED MECHANICS AND MACHINE DESIGN

Professor Chatburn (*Head of Department*), Professor Slaymaker, Associate Professor Rasmusen, Associate Professor Mickey

PRIMARILY FOR UNDERGRADUATES

1. **Mechanical Drawing**—One hour attendance and eight hours drawing a week in lettering, free-hand sketching, geometrical construction and projection; working drawings of machine parts. Three hours credit. First semester. Rasmusen

2. **Descriptive Geometry**—One hour attendance and six hours drawing a week, comprising, (1) text-book work on the solution of problems relating to geometrical magnitudes in space and their representatives by drawings; (2) application of principles to working drawings. Prerequisite: Course 1 or experience in drawing. Two hours preparation. Three hours credit. Second semester. Rasmusen

3. **Mechanism**—Two class room periods and three hours drawing a week. Motions and forms of various mechanisms occurring in machines, manner of supporting and guiding the parts, independent of strength, and the design of gear teeth. Prerequisite: Courses 1 and 2. Four hours preparation. Three hours credit. First semester.
Slaymaker

FOR UNDERGRADUATES AND GRADUATES

5. **Machine Design**—Elementary design of shafting and shaft couplings, pulleys and fly-wheel, power-screws, bearings and guides. Nine hours attendance and drawing. Prerequisite: Courses 1, 2, 3 and 14. Three hours credit. First semester.
Slaymaker

6. **Machine Design**—Each student makes a number of complete designs, studies constructive details, makes calculations to determine strength of parts and estimates cost. Nine hours attendance and drawing. Prerequisite: Course 5. Three hours credit. Second semester.
Slaymaker

8. **Steam Engine Design**—Working from an assumed indicator card, each student designs the principal dimensions of a high-speed automatic cut-off engine and the details of assigned parts. Reports upon each particular design. Six hours drawing a week. Prerequisite: Course 5. Two hours credit. Second semester.
Slaymaker

13. **Stereotomy**—Descriptive geometry applied to problems in stone cutting and the necessary patterns, bevells and developments, and to the designing of forms for the manufacture of artificial stones. A study of the shapes of stones in structure having plane, curved and warped surfaces, as used in architectural, engineering and military operations. Prerequisite: Courses 1 and 2. Six hours drawing and laboratory. Two hours credit. First and second semesters.
Chatburn

14. **Theoretical and Applied Mechanics**—Principles of kinematics, statics and kinetics. Prerequisite: Mathematics 3. Three hours attendance. Six hours preparation. Three hours credit. First and second semesters.
Chatburn, Mickey

15. **Mechanics of Materials**—Resistance of materials, including reinforced concrete; mechanics of beams, columns, shafts, etc.; laboratory experiments. Prerequisite: Course 14. Three hours attendance. Six hours laboratory. Six hours preparation. Five hours credit. First semester.
Chatburn, Mickey

16. **Mechanics of Materials**—Course 15 abbreviated for students in the Agricultural, Electrical and Mechanical Engineering groups. Prerequisite: Course 14. Two hours attendance. Three hours laboratory.

Four hours preparation. Three hours credit. First and second semesters.

Chatburn, Mickey

17. **Cement and Concrete Testing**—Classification, composition, manufacture, inspection, sampling and specifications. Practical testing of cement, mortars, concretes, and other materials of construction. Prerequisite: Course 14. One hour attendance. Three hours laboratory. Two hours preparation. Two hours credit. First and second semesters.

Mickey

18. **Materials of Construction**—Manufacture and general properties. Mechanical properties of materials as revealed by actual tests. Comparison of tests reported by other laboratories. Continuation of tests begun in course 17. One hour attendance. Three hours laboratory. Two hours preparation. Two hours credit. Second semester.

Chatburn, Mickey

22. **Graphic Statics**—Elements of graphic statics applied to engineering construction. Prerequisite: Course 14. One hour attendance. Six hours drawing. Two hours preparation. Three hours credit. Second semester.

Chatburn, Rasmusen

23. **Applied Descriptive Geometry**—Advanced course in mechanical drawing. Practical applications of the principles of descriptive geometry. Shades, shadows and perspective; tinting and stippling. Prerequisite: Courses 1 and 2. Three, six or nine hours drawing a week. One, two or three hours credit. First and second semesters.

Rasmusen

25. **Road Materials Testing**—Examination, classification, and testing of road and pavement materials including rock, gravel, sand, clay, earth, paving brick, wood block, stone blocks, oils, asphalts, and tars. The testing of cement concrete, bituminous concrete, and sheet asphalt. The building of a miniature road or pavement model illustrating the successive steps of construction, as well as the finished road or pavement. Prerequisite or parallel: Course 14, and C. E. 21. One hour attendance and two hours preparation. Three hours laboratory. Two hours credit. Additional credit may be earned by special arrangement. First and second semesters.

Mickey

26. **Road Materials Testing**—Course 25 continued. Six hours laboratory. Two hours credit. First and second semesters.

Mickey

27. **Specifications and Working Drawings**—The growth, cutting, seasoning, working and finishing of woods; structural and decorative properties; detailing on a large scale various parts, such as walls, roofs, cornices, doors, windows, stairs, etc. Plans, elevations and details of small dwelling house; specifications and estimate of cost. Two hours lecture. Four hours preparation. Six hours drawing. Four hours credit. First semester.

Slaymaker

28. **Specifications and Working Drawings**—Foundations of stone, brick, concrete, and piles; kinds of masonry and external finish; brick-masonry, its materials and bonds; terra-cotta design, etc. Detailing of columns, beams, girders, and footings; joints and connections; use of architectural handbooks. Two hours lecture. Four hours preparation. Six hours drawing. Four hours credit. Second semester.

Slaymaker

29. **Engineering Freehand Drawing**—A course specially planned to meet the needs of students in Engineering and Physics. Elementary principles of perspective and object drawing. Two hours studio. One hour credit.

Grant

30a. **Perspective**—Geometrical construction, principles of mechanical drawing, projection and isometric drawing. One hour attendance. Five hours drawing. Two hours credit.

Rasmusen

31a. **Perspective**—Course 30a continued. Elements of descriptive geometry, theory of perspective, shades and shadows. Prerequisite: Course 30a. One hour attendance. Five hours drawing. Two hours credit.

Rasmusen

32a. **Perspective**—Course 31a continued. One hour attendance. Five hours drawing. Two hours credit.

Rasmusen

34. **Advanced Mechanics**—Open to students who have completed course 14 or Mathematics 4. Three hours attendance. Six hours preparation. Three hours credit. Second semester.

Chatburn

400. **Thesis**—Open to approved seniors. (See page 193.) Three to five hours credit.

CIVIL ENGINEERING

¹Professor Stout (*Head of Department*), Associate Professor Bridgman, (*Acting Head of Department*), Professor Chatburn, Associate Professor Grant, Assistant Professor Riddervold, Mr. Sjogren.

FOR UNDERGRADUATES AND GRADUATES

2. **Surveying**—Abbreviated course for students in Mechanical Engineering. Prerequisite: Trigonometry. Two hours attendance with occasional substitution of three-hour field periods. Four hours preparation. Two hours credit. Second semester.

Bridgman

5. **Surveying**—To be accompanied by course 5a. Prerequisite: Trigonometry. Two hours attendance. Four hours preparation. Two hours credit. First and second semesters.

Bridgman

¹Absent on leave, Major in the Engineering Officers' Reserve Corps.

5a. **Surveying Field Work**—To accompany course 5. Six hours field. Two hours credit. First and second semesters. Bridgman

6. **Surveying**—Course 5 continued. Topographic, photographic and hydrographic surveys. Two hours recitation. Four hours preparation. Two hours credit. Second semester. Bridgman

6a. **Surveying Field Work**—Course 5a continued. Topographic surveys, transit and plane table; mapping, etc. Six hours field and laboratory. Two hours credit. Second semester. Bridgman

7. **Railway and Highway Surveying**—Field and office methods employed in surveys for locating and constructing railroads and highways. Prerequisite: Courses 5 and 5a. One hour attendance. Six hours field. Two hours preparation. Three hours credit. First semester. Bridgman

8. **Railway and Highway Construction**—Principles and practice. Roadbed, tunnels, minor structures. Contractors' organization and equipment. Cost data and analysis; estimates. Prerequisite: Course 8 or equivalent experience in actual work. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Bridgman

10. **Economic Theory of Railway Location**—Scientific balancing of cost, receipts, and operating expenses. Open to fourth-year students. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Bridgman

11. **Hydraulics**—Prerequisite: Calculus and Applied Mechanics 14. Two hours attendance. Four hours preparation. Two hours credit. Both semesters. Stout, Riddervold

12. **Irrigation Engineering**—Grade, cross-section and capacity of canals; surveys; designs of structures; source of water supply; analysis of hydrographic data; return and seepage waters; irrigation by pumping; organization; legal and economic principles. Prerequisite: Course 11. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Stout, Sjogren

13. **Water Supply of Cities**—Prerequisite: Course 11. Three hours attendance. Six hours preparation. Three hours credit. First semester. Grant

14. **Cleaning and Sewerage of Cities**—Prerequisite: Course 11. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Grant

15. **Design of Framed Structures**—Prerequisite: Course 16. Three hours attendance. Six hours preparation. Three hours credit. First semester. Riddervold

16. **Stress in Framed Structures**—Prerequisite: Applied Mechanics 15 or 16. Four hours attendance. Eight hours preparation. Four hours credit. Second semester. Riddervold
17. **Design in Reinforced Concrete**—Prerequisite: Applied Mechanics 15. Two hours attendance. Four hours preparation or drawing. Two hours credit. First semester. Riddervold
18. **Structural Design**—Adapted to the needs of students in Agricultural, Mechanical and Electrical Engineering. Prerequisite: Applied Mechanics 16. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Riddervold
20. **Advanced Theory of Structures**—Arches, cantilevers, continuous girders, statically indeterminate stresses. Prerequisite: Course 15. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Riddervold
21. **Roads, Streets and Pavements**—Lectures, assigned readings, and reports. Two hours attendance. Four hours preparation. Two hours credit. First semester. Chatburn
22. **Masonry Construction**—Prerequisite: Applied Mechanics 14. Four hours attendance. Eight hours preparation. Four hours credit. Second semester. Riddervold
24. **Hydraulic Engineering**—Hydraulic development for purposes of drainage, power, and transportation. Flood protection. Collection and analysis of hydrographic data and the principles involved in the design of reservoirs, canals, levees, and structures. Prerequisite: Course 11. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Stout, Sjogren
25. **Engineering Economics**—Conducted on the seminar plan. Two hours attendance. Four hours preparation. Two hours credit. First semester. Stout, Bridgman, Grant
26. **Engineering Economics**—Course 25 continued. Valuation of public utilities. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Bridgman
400. **Thesis**—Open to approved seniors. (See page 193.) Three to five hours credit.

ELECTRICAL ENGINEERING

Professor Ferguson (*Head of Department*), Associate Professor Hollister, Mr. Edison

PRIMARILY FOR UNDERGRADUATES

1. **Dynamos and Circuits**—Elements of electrical engineering. Theory and practice of direct currents, circuits and apparatus. Conducted with some laboratory work in the latter half of the semester.

Prerequisite: Math. 4, Phys. 3. Four hours attendance. Ten hours preparation. Five hours credit. First semester. Ferguson

2. **Dynamos and Circuits**—Continuation of course 1, including principles of design and practice therein and elementary work with alternating currents. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Ferguson

3. **Electrical Power**—Elementary principles, industrial applications. For students in the Architectural, Agricultural, Civil and Mechanical Engineering groups. Prerequisite: Math. 4, Phys. 3. Two hours attendance. Four hours preparation. Two hours credit. First semester. Hollister

4. **Electrical Power**—Continuation of course 3, including principles of alternating currents. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Hollister

5. **Alternating Currents**—Theory and practice of alternating-current circuits and apparatus. Prerequisite: Courses 1 and 2. Five hours attendance. Ten hours preparation. Five hours credit. First semester. Ferguson

6. **Alternating Currents**—Continuation of course 5 including power systems, etc. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Hollister

8. **Electrical Laboratory**—Practice in operating and testing direct-current generators, motors and subsidiary apparatus. Prerequisite: Course 1. Three hours laboratory. Three hours preparation. Two hours credit. Second semester. Hollister, Edison

8a. **Electrical Laboratory**—Similar to course 8 but adapted to the needs of the Agricultural, Architectural, Civil and Mechanical engineers. Prerequisite: Course 3. Three hours laboratory. Three hours preparation. Two hours credit. First and second semesters. Hollister, Edison

9. **Electrical Laboratory**—Continuation of course 8. Three hours laboratory. Three hours preparation. Two hours credit. First semester. Hollister, Edison

9a. **Electrical Laboratory**—Elective offered to accompany course 9. Telephone practice, mercury-arc rectifier, illumination, etc. Three hours laboratory. One hour credit. First semester. Hollister, Edison

10. **Electrical Laboratory**—Continuation of course 9. Advanced laboratory practice including use of oscillograph. Three hours laboratory. Three hours preparation. Two hours credit. Second semester. Hollister, Edison

10a. **Electrical Laboratory**—Elective offered to accompany course 10. Storage batteries, high potentials, etc. Three hours laboratory. One hour credit. Second semester. Hollister, Edison

FOR GRADUATES AND UNDERGRADUATES

15. **Technical Reports**—Preparation and presentation of reports upon technical subjects. Prerequisite: Courses 1, 2 and 8 and registration in 5. One hour attendance. Two hours preparation. One hour credit. First semester. Hollister

16. **Technical Reports**—Continuation of course 15. Elective. One hour attendance. Two hours preparation. One hour credit. Second semester. Hollister

17. **Electric Lighting and Illumination**—Wiring codes, lighting apparatus and circuits, illumination and illuminating engineering. Prerequisite: For Electrical Engineers—course 1 and Phys. 4; for Architectural Engineers—Phys. 4 and E. E. 3. Two hours attendance. Four hours preparation. Two hours credit. First semester. Edison

18. **Electro-Chemical Engineering**—Elements of electro-chemistry, with special emphasis placed upon some of the commercially most important processes as metal winning, furnaces, storage batteries, etc. Prerequisite: Courses 1 and 8. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Ferguson

19. **Telephone Engineering**—Line construction, instruments, switchboards, systems, operation, etc. Prerequisite: Courses 1 and 8 and registration in 5. Two hours attendance. Four hours preparation. Two hours credit. First semester. Hollister

20. **Electric Railways**—Preliminary estimates and economics, construction, equipment and operation. Prerequisite: Courses 1 and 8. Three hours attendance. Six hours preparation. Three hours credit. Second semester. Ferguson

21. **Electric Power Systems**—Generation, transmission, distribution and utilization of power. Prerequisite: Courses 2 and 8 and registration in course 5. Three hours attendance. Six hours preparation. Three hours credit. First semester. Edison

22. **Electrical Design**—Alternate-current apparatus, transformers, synchronous generators. Prerequisite: Courses 5 and 9. Three hours lecture. Six hours calculation and drafting. Three hours credit. Second semester. Ferguson

31. **Engineering Problems**—Engineering problems demanding a knowledge of algebra, trigonometry, calculus, vectors, mechanics, electrical phenomena, alternating-current circuits, etc. Prerequisite: Math. 4, Phys. 5 and registration in E. E. 5 and 9. Two hours attendance. Four hours preparation. Two hours credit. First semester. Ferguson

202. **Elements of Electrical Engineering**—Lecture course designed as a general introduction to the subject. It is intended to give both

breadth and perspective. Required of Electrical Engineering sophomores. One hour attendance. Two hours preparation. One hour credit. Second semester. Ferguson

400. **Thesis**—Open to approved seniors. (See page 193.) Three to five hours credit.

PRIMARILY FOR GRADUATES

51. **Alternating-Currents**—Transients, electric waves, etc. First or second semester. Three hours credit. Ferguson

61. **Electrical Design**—Advanced electrical apparatus design. Three hours credit. First or second semester. Ferguson

91. **Electrical Laboratory**—Advanced investigations. Hours and credit to be arranged. First semester. Ferguson, Hollister

92. **Electrical Laboratory**—Continuation of course 91. Hours and credit to be arranged. Second semester. Ferguson, Hollister

MECHANICAL ENGINEERING

Professor Seaton (*Acting Head of Department*), Professor Slaymaker,
Associate Professor Rasmusen, Assistant Professor
Bunting, Mr. Sjogren

PRIMARILY FOR UNDERGRADUATES

1. **Wood Work**—Bench work in wood and wood-turning; lectures on wood-working tools and machinery, and the properties of timber. One hour attendance. Eight hours laboratory. Three hours credit. First semester. Bunting

2. **Pattern-Making and Foundry Work**—Construction of patterns, core-boxes, green sand and dry sand molds, and iron, brass and aluminum castings; lectures on pattern-making, foundry work and the metallurgy of cast iron. Prerequisite: Course 1. One hour attendance. Eight hours laboratory. Three hours credit. Second semester. Bunting, _____

3. **Iron and Steel Forging**—Practice in forging, welding, tempering and tool-making; lectures on forging tools and machinery, and the physical properties of iron and steel. One hour attendance. Eight hours laboratory. Three hours credit. First semester. _____

3a. **Iron and Steel Forging**—Practice in forging, welding and tempering; lectures on forging tools and machinery, and the physical properties of iron and steel. One hour attendance. Five hours laboratory. Two hours credit. First semester. _____

4. **Machine Work in Metals**—Exercises in the use of the engine lathe, planer, shaper, milling machine and the art of cutting metals; lectures on machine tools. Prerequisite: Course 3. (Except for Elec-

trical Engineers.) One hour attendance. Five hours laboratory. Two hours credit. First and second semesters. Sjogren

5. **Machine Construction**—Course 4 continued. Prerequisite: Course 4. One hour attendance. Eight hours laboratory. Three hours credit. First and second semesters. Sjogren

400. **Thesis**—Open to approved seniors. (See page 193.) Three to five hours credit.

FOR GRADUATES AND UNDERGRADUATES

8. **Economics of Shop Production**—Discussions relating to manufacturing processes, routing of the work thru the shop, effect of shop design on shop efficiency, time systems and cost accounting. Prerequisite: Courses 1, 2, 3, 4 and 5. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Sjogren

10. **Steam Engineering**—Elementary study of thermodynamics. Theory of heat engines. Forms and mechanism of steam machinery. Economy of operation and adaptability to a given service. Prerequisite: Mathematics 4 and Applied Mechanics 14. Four hours attendance. Eight hours preparation. Four hours credit. First and second semesters. Rasmusen

11. **Steam Boilers**—Design and construction of steam boilers, furnaces, settings; their safety and economy of operation. Prerequisite: Course 10. Two hours attendance, occasional drawing. Four hours preparation. Two hours credit. First semester. Seaton

13. **Thermodynamic Applications**—Advanced study of the thermodynamics of gases and vapors and the applications of the science to heat engines, air compressors, injectors, refrigerating machinery, steam turbines, etc. Prerequisite: Course 10. Three hours attendance. Six hours preparation. Three hours credit. First semester.

14. **Building Sanitation**—Principles of the design of plumbing systems for air, gas and water. Sanitary necessity of sewerage. Discussion of sewage disposal and drainage systems. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

15. **Fuel Testing Laboratory**—Proximate analyses of coal and analyses of flue gases; determination of heating value of coal, gas and fuel oils; the testing of lubricants and friction. Six hours laboratory. Two hours credit. Second semester. Seaton

16. **Mechanical Engineering Laboratory**—Calibration of instruments, indicator practice, valve setting, efficiency tests of engines and boilers, injectors, pumps, gas engines. The measurement of power. Course 10 prerequisite or taken at the same time. One hour attendance.

Eight hours laboratory. Three hours credit. First and second semesters.

Seaton

17. **Mechanical Engineering Laboratory**—Complete tests of simple and compound Corliss engines, air compressors, gas engines, steam pumps, and refrigerating machinery. Prerequisite: Course 16. One hour attendance. Eight hours laboratory. Three hours credit. First semester.

Seaton

18. **Experimental Hydraulics**—Experiments on the flow of water thru orifices and nozzles and over weirs; the testing of hydraulic motors and pumps. Prerequisite: Civil Engineering 11. Six hours laboratory. Two hours credit. Second semester.

Seaton

19. **Heating and Ventilation**—Theory and design of the various systems for heating and ventilating buildings, including hot air, hot water, steam and the plenum and vacuum systems, and central station heating. Prerequisite: Course 10. Two hours attendance. Four hours preparation. Two hours credit. First semester.

20. **Steam Power Plant Design**—The design of a complete steam power plant and the formulation of specifications therefor. Prerequisite: Courses 10 and 11. Occasional lectures. Six hours drawing. Two hours credit. Second semester.

Rasmusen

21. **Gas Engines**—Principle and operation of the gas and gasoline engine; ignition and carburetion; selection, care and operation of engines for all kinds of power purposes. This course is designed to meet the needs of students who will use the gas engine in practice. Prerequisite: Mathematics 3. Three hours attendance. Six hours preparation. Three hours credit. First semester.

Seaton

22. **Gas Power Engineering**—The theory and design of gas, gasoline and oil engines. Gas producer practice; the combustion of gaseous fuels. Given especially for Mechanical Engineering students. Prerequisite: Course 10. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Seaton

24. **Power Transmission**—Transmission of power by shafting, belts, ropes, water, compressed air, gas. Course 10 prerequisite or taken at the same time. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Slaymaker

31. **Hydraulic Motors and Pumping Machinery**—Theory of water-wheels, turbines, pressure engines and pumps. Analyses are made of hydraulic power plant arrangement and operation. Prerequisite: Civil Engineering 11. Three hours attendance. Six hours preparation. Three hours credit. First semester.

Seaton

PRIMARILY FOR GRADUATES

27. **Advanced Laboratory Investigations**—Special investigations of problems relating to steam engines and boilers, gas engines, etc. Nine or twelve hours laboratory. Three or four hours credit. First semester. Seaton

28. **Advanced Laboratory Investigations**—Course 27 continued. Nine or twelve hours laboratory. Three or four hours credit. Second semester. Seaton

30. **Advanced Investigations in Fuel Testing**—Course 15 continued. Six or nine hours laboratory. Two or three hours credit. First or second semester. Seaton

32. **Advanced Investigations in Heating, Ventilating and Air Conditioning**—Course 19 continued. Six or nine hours laboratory. Two or three hours credit. First or second semester.

34. **Investigations in Refrigeration**—A study in the theory, design and operation of ice and refrigerating machinery. Prerequisite: Courses 13 and 19. Occasional recitations, private investigations and consultations. Two or three hours credit. Second semester.

Seaton

ENGLISH HISTORY

Professor Jones (Head of Department), Assistant Professor Cochran

English history occupies a position intermediate between general European history and American history, leading from the one and into the other. It affords perhaps the best introduction to the general history of the modern world, which is touched at more points by the growth of the British Empire and the extension of the English language and institution, than by any other historical subject. Students of English literature, of law, economics and sociology will find this field of special importance.

The University Teachers Certificate—In English history the minor requirement for a University Teachers' Certificate (12 to 16 hours, at the students option) will be satisfied by courses 1 and 2, either 11 or 12, and such additional courses as may be necessary to complete the number of hours. For the major requirement in history see paragraph 3 under American history.

The Degree of Master of Arts—The requirements for the degree of master of arts with English history as a major are: (1) An accurate and comprehensive knowledge of the outlines of English history, and a more detailed knowledge of some period; an acquaintance with the literature of the special period; a general acquaintance with modern

European history; and (2) a thesis based upon an exhaustive study of the source and secondary material in some narrow field of English history.

The thesis will be written in seminar 11 or 12, but the candidate is expected to show greater independence and initiative than the other members of the seminar, and to devote to the subject a large amount of time which cannot be determined in advance. For this reason it is not always possible for even a well prepared student to meet all the requirements in one year; but it should be possible to satisfy the requirement of residence.

For those desiring a minor in English history, courses will be arranged in consultation with the candidate's major adviser.

1. **English History to 1688**—A general introductory course. Three hours attendance. Three hours credit. First semester. Jones

2. **English History from 1688 to the Present Time**—A continuation of course 1, expanded to include the history of the British Empire. May be taken without course 1. Three hours attendance. Three hours credit. Second semester. Jones

3. **English Social and Industrial History to 1688**—Must be preceded by course 1 or English history in the high school. Two hours attendance. Two hours credit. First semester. Jones

4. **English Social and Industrial History after 1688**—Must be preceded by course 2 or English history in the high school. Two hours attendance. Two hours credit. Second semester. Jones

[5. **English Constitutional History to 1603**—Must be accompanied or preceded by course 1. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Jones]

[6. **English Constitutional History after 1603**—Must be preceded by course 5. Two hours attendance. Two hours credit. Second semester. *Not given in 1918-1919.* Jones]

7. **England During the Nineteenth Century**—Open to juniors and seniors; also to sophomores who have had course 2. Two hours attendance. Two hours credit. First semester. Jones

8. **Diplomacy of the Present War**—Including a survey of diplomatic history since 1862. Open to juniors and seniors; also to sophomores who have had course 2. Two hours attendance. Two hours credit. Second semester. Jones

11. **Seminar—Selected Topics**. Open to graduate and advanced students upon consent of the instructor. Two hours attendance. Two hours credit. First semester. Jones

12. **Seminar—Selected Topics**. Open to graduate and advanced students upon consent of the instructor. Two hours attendance. Two hours credit. Second semester. Jones

ENGLISH LANGUAGE AND LITERATURE

Professor Sherman (*Head of Department*), Professor Stuff, Professor Wallace, Professor Pound, Associate Professor Scott

GENERAL INFORMATION

Courses 1 and 2, dealing with elements and first principles of criticism, are introductory to all the other work of the department.

The University Teachers' Certificate—Because of the need of preparation in both Rhetoric and English Literature for certificated teachers, no majors or minors are offered or accepted in either subject singly. A combined major or a combined minor is provided for such as are preparing to teach English in secondary grades. The combined major embraces courses 1, 2, 11, 12 in Literature, and courses 3, 4, 7, 8 in Rhetoric. The combined minor includes course 1 in Literature, and course 7 in Rhetoric. But with each major or minor, courses 17, 18 in English Literature must be taken, as fundamental in either subject.

Candidates for the master's degree, with the Graduate Teachers' Diploma, will complete in addition to the foregoing, for a combined major, courses 31, 32, and four hours of especially assigned work in Rhetoric or English Literature, with thesis.

Graduate Work

Students intending candidacy for the degree of Master of Arts must have completed the two years of preparation represented by courses 1, 2, 5, 6, 11, 12. Work will be arranged for each from courses beginning with course 15 below, but major programs must include courses 17, 18 and in general 35, 36.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **English Literature**—An introductory course in criticism. Designed to develop a sense of values, and an appreciation of the best literature. Literary elements and principles, with assisted study of modern poetry and prose. First and second semesters. Three hours attendance. Three hours credit. Stuff, Scott, Wallace.

2. **English Literature**—Studies introductory to criticism. Literary elements and principles, continued; short story, dramatic monologue, and poetry and prose. First and second semesters. Three hours attendance. Three hours credit. Stuff, Scott, Wallace.

3. **Shakespeare**—Analysis of the literary art of this author. *Macbeth* studied in daily written exercises and library readings, with independent investigation of special topics on the art and literary history of the play. Three hours attendance. Three hours credit. First semester. Scott

4. **Shakespeare**—3 continued. Written studies in *Hamlet* and *Othello*. Three hours attendance. Three hours credit. Second semester.

5. **The History of English Literature**—A survey of the development of English Literature; the rise of literary forms, periods of literary history, and various formative and other influences. Special class study of Chaucer, Spenser, Milton, and others. Three hours attendance. Three hours credit. First semester. Pound

6. **The History of English Literature**—5 continued. Second semester.

7. **Comparative Literature in English**—Intensive study of Job and other Hebrew characters. Comparative studies on kindred themes, from Greek, Celtic, English, Spanish and German literature. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Stuff

8. **Comparative Literature in English**—Literary art in Matthew, Mark, Luke, and John. Comparative studies from Swedish, French, Italian, English, and American literature. Prerequisite: Course 1. Two hours attendance. Two hours credit. Second semester. Stuff

9. **Nineteenth Century English Poets**—English poets from 1798 to 1900. The romantic movement of the early nineteenth century. Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Landor. The Victorian period. Tennyson, the Brownings, Clough, Arnold, Rossetti, Morris, Swinburne. Preliminary completion of courses 5 and 6, tho desirable, is not essential. Two hours credit. First semester. Pound

10. **Nineteenth Century English Poets**—9 continued. Second semester.

11. **English Literature**—Advanced studies in the development of modern prose, and of visual writing. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Sherman

12. **English Literature**—11 continued. Daily written exercises of appreciation and criticism, in selected specimens of best literature. Two hours attendance. Two hours credit. Second semester. Sherman

13. **History of the Theater**—(Same as 61 in School of Fine Arts.) A study of the evolution of dramatic presentation, tracing the art from its most rudimentary forms to the theater of modern times. Special attention given to theatric aspects and their influences upon dramatic tendencies. Lectures, papers and readings. Two hours attendance. Two hours credit. First semester. Scott

13b. **History of the Theater**—(Same as 62 in School of Fine Arts.) Course 13 continued. Second semester.

14. **American Literature**—Its relation to the national life and thought. Lectures, collateral readings, and reports. Two hours credit. Second semester. Pound

14a. **Phonetics**—(Same as 52b in School of Fine Arts.) A general introduction to the subject. Lectures and exercises. The course directs attention to the accurate pronunciation of English. It may also serve as a basis for the study of the historical phonology of the various languages. One hour attendance. One hour credit. Second semester. Pound

15. **The Short Story**—Art of the modern short story in America, England, Russia, Germany, France, and Italy, with a survey of its evolution, and extensive critical readings, in the study of principles. Entrance by permission of instructor. Two hours attendance. Two hours credit. First semester. Wallace

15a. **Library Course in 16th Century Dramatic and Other Literature**—Lectures, reports, and criticisms. Two hours attendance. Three hours credit. First semester. Wallace

16. **The Short Story and Poem**—Course 15 continued. Also study of modern foreign and domestic poets in story-telling, in various verse-forms, with constructive exemplifications in both prose and verse. Two hours attendance. Two hours credit. Second semester. Wallace

16a. **Library Course in 18th Century Authors**—Lectures, reports, and criticisms. Two hours attendance. Three hours credit. Second semester. Wallace

17. **Essentials of Old English: Outline of Old English Grammar**—Reading at earliest moment of prose and poetic specimens. *Beowulf*, thru 500 lines. Introductory to the history of the English language and the history of Old English literature. Four hours attendance. Four hours credit. First semester. Pound

18. **Old and Middle English and History of the English Language**—17 continued. *Beowulf* continued. The development of the language traced from Old to Modern English, the history of inflections, sound changes, spelling, etc. Outline of Middle English grammar. Reading of selected Middle English texts before Chaucer. Four hours credit. Second semester. Pound

19. **The Novel**—Its relation to the expression of life. Study of modes and art principles in the interpretation of life. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Stuff

20. **The Novel**—19 continued. Two hours attendance. Two hours credit. Second semester.

21. **Shakespeare**—A popular course in the reading and interpretation of all the plays of Shakespeare. Principles, devices, and con-

ventions of the drama and new interpretations examined in the light of recent research. New evidences of staging at the Globe and Blackfriars. Setting and rendition of scenes by members of the class in exemplification on the reconstructed Shakespearean stage. Based on personal Shakespearean researches in London. Entrance by permission of instructor. Three hours attendance. Three to four hours credit. First semester.

Wallace

21a. Elizabethan-Jacobean Drama and Theater—Shakespeare's contemporaries, to the readjustment of the theaters, 1610. Reciprocal influences. Principles of the drama examined through extensive reading of the plays. History of the play-houses, with new evidences of staging and the effects on play-construction and present interpretations. Based on personal special researches in England. Entrance by permission of instructor. Two hours attendance. Weekly conferences. Three hours credit. First semester.

Wallace

22. Shakespeare—Course 21 continued. Three hours attendance. Three to four hours credit. Second semester.

Wallace

22a. Elizabethan-Jacobean Drama and Theater—21 continued. Shakespeare's contemporaries and successors from 1610 to the termination of the Shakespearean theaters, 1642. Introduction to scientific methods of investigation. Two hours attendance. Weekly conferences. Three hours credit. Second semester.

Wallace

23. Browning—Written studies of *Luria*, *Return of the Druses*, *Pippa Passes*. Two hours attendance. Two hours credit. First semester.

Sherman

24. Browning—23 continued. *The Ring and the Book*, *Fifine at the Fair*. Second semester.

25. Shakespeare—Advanced studies in dramatic art, as represented in *Cymbeline*, *The Winter's Tale*, *Coriolanus*. Two hours attendance. Two hours credit. First semester.

Wallace

26. Shakespeare—25 continued. *Romeo and Juliet*, *Twelfth Night*, *King Lear*. Second semester.

27. English Ballads—Introduction to the study of popular poetry. Reading of selected ballads of England and Scotland, with some references to ballads in other literatures. The ballad revival in the eighteenth century. Modern imitative ballads. One hour attendance. One hour credit. First semester.

Pound

28. English Lyric Poetry—Nature of the lyric. Survey of leading lyric kinds and types; ballads, sonnets, odes, elegies, etc. History of the English lyric. Two hours attendance. Two hours credit. First semester.

Pound

29. Methods of Instruction in Secondary English—A practical study of the synthetic, interpretative and technical phases of present-

ing this subject in secondary grades. Special attention given to outlining of courses, development of material, selection of books for school libraries and home readings. Experience in the preparation and presentation of topics will be gained in connection with the Teachers College High School Practice Course in Teaching English. Lectures, written reports, observation reports, criticism, library readings. Prerequisite: English Literature courses 1, 2, 11, 12; Rhetoric 3, 4. Two hours attendance. Two hours credit. First semester. Stuff

29a. **Methods of Instruction in Elementary English**—Open to all preparing to teach English in the elementary grades. Prerequisite: English Literature 1, Rhetoric 1. Two hours attendance. Two hours credit. First semester. Stuff, Clark

30. **Methods of Instruction in Secondary English**—29 continued. Prerequisite: English Literature 1, 2, 11, 12, 17, 29. Two hours attendance. Two hours credit. Second semester. Stuff

30a. **Methods of Instruction in Elementary English**—29a continued. Prerequisite: English Literature 1, 2; Rhetoric 1, 2. Two hours attendance. Two hours credit. Second semester. Stuff, Clark

31. **Teachers' Training Course**—Daily training in teaching. Study of problems arising from actual conditions in the classroom. One teachers' conference each week. Prerequisite: English Literature 1, 2, 11, 12, 29, 30. Two hours credit. May be registered for twice. First and second semesters. Stuff, Clark

32. **Seminary**—Advanced study of problems in teaching English in advanced secondary and elementary grades. The field affords opportunity for individual research. The course includes investigation of existing conditions. Two hours attendance. Two hours credit. First semester. Stuff

32a. **Seminary**—Course 32 continued. Two hours attendance. Two hours credit. Second semester. Stuff

33. **Principles of Dramatization**—Construction in the drama of Shakespeare, Moliere, Schiller, Goethe, and Victor Hugo. Two hours attendance. Two hours credit. First semester. Scott

34. **Principles of Dramatization**—33 continued. Construction in the drama of Corneille, Calderon, Goldoni, Maeterlinck, Ibsen, and in the classic drama. Second semester. Scott.

35. **Advanced Old English**—Open to students who have a working knowledge of the language. The special mode of study varies according to the needs or equipment of the class. Serves often as an introduction to comparative Teutonic philology. Outline of general phonetics included if necessary. Preceding or accompanying study of Gothic and Old High German recommended. Two hours attendance. Two hours credit. First semester. Pound

36. **Advanced Old English**—35 continued. Second semester.

37. **History of Old English Literature**—Reading of texts in translation. Study of textual and manuscript criticism, disputed readings, dates, problems of authorship and interpolation, historical and mythological elements, history of opinion, etc. One hour attendance. One hour credit. First semester. Pound

38. **History of Old English Literature**—37 continued. Second semester.

38a. **Chaucer**—Literary and linguistic studies. Informal lectures on contemporary fourteenth century life and literature. Two hours attendance. Two hours credit. Second semester. Pound

39. **Play Construction**—Intended for specially qualified students who wish to work along the lines of practical play writing. An intensive study of the fundamental principles of the acting drama and an application of these principles in original construction and criticism. Primarily, a writing and practice course, including the guidance of the student not only thru the making of a producible play but its actual stage presentation. Admission by consent of the instructor. Two hours attendance. Two hours credit. First semester. Scott

40. **Play Construction**—39 continued. Two hours attendance. Two hours credit.

41. **Poetic Form**—Two hours attendance. Two hours credit. First semester. Sherman

42. **Poetic Form**—Course 41 continued. Second semester.

43. **Seminary in Criticism**—Two hours attendance. Two hours credit. First semester. Sherman

44. **Seminary in Present Literary Forms and Tendencies**—Two hours attendance. Two hours credit. Second semester. Sherman

45. **Celtic Sentiment and Thought in Its Relation to English Literature**—A survey of early Irish and Welsh literature with special study of the Arthurian sources. Admission on consent of the instructor. Two hours attendance. Two hours credit. First semester. Stuff

46. **Celtic Sentiment and Thought in Its Relation to English Literature**—45 continued. Celtic influence upon the English romantic movement. Two hours attendance. Two hours credit. Second semester. Stuff

47. **Contemporary Drama**—Studies in the construction and criticism of the modern play. Admission on approval of instructor. Two to three hours credit. First semester. Scott

48. **Contemporary Drama**—47 continued. Second semester.

49. **Literary Art of Today**—Study of the great prosaists in Scandinavian, Russian, French, German, and Italian, as well as English

and American literatures. Prerequisite: Courses 1 and 2. Two or three hours credit. Two hours attendance. First semester. Scott

50. Course 49 continued. Second semester.

[51. **The Mediaeval Drama**—Evolution of dramatic instinct in primitive man, savage tribes, and civilized peoples. Development of the mediaeval liturgical drama. Origins and growth of mysteries, miracles, and moralities in England and continental Europe. Studies of text and form. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Wallace]

[52. **Pre-Shakespearean Drama**—Development of the new English drama from the beginning of the Tudors up to Shakespeare. Court influences, children actors. Extensive readings of the plays and study of court, people, and conditions that made a Shakespeare possible. Based on the instructor's *Evolution of the English Drama up to Shakespeare*, and unpublished results of research. Two hours attendance. Two hours credit. Second semester. *Not given in 1918-1919.* Wallace]

[53. **Seminar**—Studies in the Tudor-Stuart drama. Investigations of special topics. Methods of scientific research. Consultations and formal reports. Admission upon approval of instructor. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Wallace]

[54. **Seminar**—53 continued. Direction of individual studies in the drama, novel, short story, and other literary forms. Modern scholastic methods of research. Two hours attendance. Two hours credit. Second semester. *Not given in 1918-1919.* Wallace]

55. **Thesis Seminar**—General direction of candidates for degrees in the department in finding and organizing materials for theses. General bibliographical helps, and methods of research. Formal reports before graduates and departmental professors in common cooperation. Required of all candidates for advanced degrees. One hour attendance. One hour credit. Wallace

56. **Thesis Seminar**—55 continued. Required of candidates for advanced degrees.

ENTOMOLOGY

(See "Agricultural Courses")

EUROPEAN HISTORY

Professor Fling (*Head of Department*), Associate Professor Pfeiffer,
Assistant Professor Needham

GENERAL INFORMATION

The undergraduate courses in European History are intended for the following classes of students:

1. Those who are preparing to teach history in the high school or

in the college. Certificates are issued stating that the graduate is fitted to teach "history" in the high school; no special certificates for American, English or European history are issued. To secure the history teachers certificate the student must take twelve hours of European history, six of English, six of American and then eight hours more in one of the departments. In European history, courses 1 and 2 should be taken the first year; other courses can be arranged for thru consultation with the head of the department. The languages needed in the advanced work, especially French, should be taken up in the first and second years. Students are advised to consult with the head of the department (during registration week) concerning their work.

2. Those who are specializing in language and literature. Courses 7 and 8 are intended for students of German literature, and may be taken by those who have not had courses 1 and 2.

3. Those who are preparing for law or debate will find especially valuable the training in the use of evidence given in courses 1 and 2. The same courses are helpful to students of economics and sociology.

GRADUATE WORK

The department offers excellent opportunities for graduate study on the French revolution and Napoleonic era. The collection of sources and secondary works upon the early revolution is the best in the country. On the Napoleonic era the department has recently acquired the valuable Oncken collection of manuscripts, containing the official correspondence of the most distinguished English diplomats during the year 1812-1815 inclusive. Each year special courses and seminars are offered on the French revolution and the Napoleonic era. In the seminars, the student is introduced in a critical way to the best sources and investigations are begun that may lay the foundation for research work abroad. To take advantage of these courses, the student should have had general courses on the French revolution and the Napoleonic era, some undergraduate training in the use of sources, and should have acquired a reading knowledge of French. With such a preparation, it is possible to take the master's degree in one year. When the student is not properly prepared, the training may be secured in the undergraduate course offered by the department. This preparatory work may be done in one year, if the student has already acquired in undergraduate courses a fair working knowledge of European history.

Master of Arts—Second Minor: At least eight hours of graduate work; two years of undergraduate work are required before graduate work can be entered upon. First Minor: Same as 1, 2, 3, and 4 for major. Major: (1) an acquaintance with the history of Europe from

the beginning of Greek history to 1914; (2) a knowledge of the literature of European history, consisting of the best known sources in English, French and German, and the most important works of secondary writers; (3) an acquaintance with bibliographical aids and historical atlases; (4) a theoretical knowledge of the methods of historical research; (5) a thesis based on the sources.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **The Formation of a World Society**—Required for the University Teachers' Certificate in History. Three hours attendance. Three hours credit. First semester. Fling, Pfeiffer, Needham

2. **The Formation of a World Society**—1 continued. Second semester.

7. **German History to 1618**—For students who are preparing to teach German and have had two years of German. Three hours attendance. Three hours credit. First semester. Needham

8. **German History after 1618**—7 continued. Second semester.

[45. **Teachers' Course in Greek History**—Must be preceded by 1 and 2. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Fling]

[46. **Teachers' Course in Greek History**—45 continued. Second semester. *Not given in 1918-1919.*]

COURSES FOR UNDERGRADUATES AND GRADUATES

17. **The French Revolution**—Open to students who have had one year's work in the department. Two hours attendance. Two hours credit. First semester. Fling

18. **The Napoleonic Era**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. Second semester.

[19. **Europe in the Nineteenth Century**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Fling]

[20. **Europe in the Nineteenth Century**—19 continued. Second semester. *Not given in 1918-1919.*]

23. **Seminary on the French Revolution**—One hour attendance. One hour credit. First semester. Fling

24. **Seminary on the French Revolution**—23 continued. Second semester.

59. **Seminary on Napoleonic Period**—One hour attendance. One hour credit. First semester. Needham

60. Seminary on Napoleonic Period—59 continued. Second semester.

69. Seminary on the Legislative Assembly—One hour attendance. One hour credit. First semester. Pfeiffer

70. Seminary on the Legislative Assembly—69 continued. Second semester.

COURSES PRIMARILY FOR GRADUATES

25. Historical Methods—Detailed lectures on the problems of historical research and construction, accompanied by readings in the best English, French, and German monographs and by practical exercises. One hour attendance. One hour credit. First semester. Fling

26. Historical Methods—25 continued. Second semester.

49. Seminary on French Revolution—One hour attendance. One hour credit. First semester. Fling

50. Seminary on French Revolution—49 continued. Second semester.

57. The Convention—One hour attendance. One hour credit. First semester. Fling

58. The Convention—One hour attendance. One hour credit. Second semester. Fling

[61. The Italian Renaissance—Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Pfeiffer]

[62. The Unification of Italy—Two hours attendance. Two hours credit. Second semester. *Not given in 1918-1919.* Pfeiffer]

[63. The German Reformation—Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Needham]

[64. The Unification of Germany—Two hours attendance. Two hours credit. Second semester. *Not given in 1918-1919.* Needham]

65. Medici and the Renaissance at Florence—Two hours attendance. Two hours credit. First semester. Pfeiffer

66. Cavour and the Struggle for Italian Unity—Two hours attendance. Two hours credit. Second semester. Pfeiffer

67. The Thirty Years War—Two hours attendance. Two hours credit. First semester. Needham

68. Frederick the Great—Two hours attendance. Two hours credit. Second semester. Needham

FARM MANAGEMENT (See "Agricultural Courses")

FINE ARTS COURSES

Professor Grummann (Director)

DRAWING AND PAINTING

Associate Professor Grant, Assistant Professor Mundy, Instructor Brock, Instructor Wittie and Professor Rasmusen of the department of Applied Mechanics

Only students working toward the degree of Bachelor of Fine Arts are permitted to register for more than three hours per semester. As in all other departments of the University, three hours of work per week is considered the basis for one credit hour, but no credit is granted without the completion of a minimum of acceptable work. (A studio fee of two dollars (\$2) is charged in each course.)

1. **Elementary Drawing**—Drawing from the antique in charcoal. Application of the principles of perspective in free hand drawing. One to five hours credit. One hour credit for each three-hour period of attendance. First semester. Grant

2. **Elementary Drawing**—Course 1 continued. Second semester.

3. **Advanced Drawing and Color Work**—Drawing from costume model. Special work in the drawing of posters and illustrations. Still-life in oil and water color. Pen and ink with reference to the processes of reproduction. One to five hours credit. One hour credit for each three-hour period of attendance. First semester. Grant

4. **Advanced Drawing and Color Work**—Course 3 continued. Second semester.

5. **Life**—Drawing and painting from costume model in charcoal, oil and water color. Advanced work in illustration. One to five hours credit. One hour credit for each three-hour period of attendance. First semester. Grant

6. **Life**—Course 5 continued. Second semester.

7. **Theory and Practice of Design**—Study of the fundamental principles of design with practical application to china painting, stenciling, decorative leather, metal work, etc. Students work out original designs in space and the line composition followed by the study of color harmony. Decorative lettering is included in this course. Three hours attendance for one hour credit. One or two hours credit. First semester. Mundy

8. **Theory and Practice of Design**—Course 7 continued. Second semester.

NOTE: Class in the practical application of design in basketry, simple sheet metal work and decorative leather work will be formed on demand.

9. **Public School Drawing**—A course intended for public school teachers with special reference to work required in the city schools. It is designed to give increased proficiency in drawing and to establish a foundation for classroom criticism. Assigned exercises are criticised before the class from the standpoint of design, composition and draughtsmanship. Three hours attendance. One hour credit. Wittie
10. **Public School Drawing**—Course 9 continued. Second semester. Brock
11. **China Painting**—The application of original and conventional design on china. Firing of china. First semester. Three hours attendance for one hour credit if taken with course 7. One or two hours credit. Brock
12. **China Painting**—Course 11 continued. Second semester. Brock
15. **Art and Design**—A special course for students of Home Economics. Two hours studio. Two hours credit. Mundy
16. **Art and Design**—15 continued. One hour lecture. One hour credit. No fee. Grant
17. **Life**—Course 7 continued. Three hours attendance for one hour credit. One to five hours credit. First semester. Grant
18. **Life**—Course 17 continued. Second semester.
20. **Art and Design**—Course 15 continued. Two hours studio. Two hours credit. Mundy
21. **Scientific Freehand Drawing**—A course specially planned to assist students in botany, zoology and geology. Three hours studio. One hour credit. Mundy
22. **Scientific Freehand Drawing**—Course 21 continued. Three hours studio. One hour credit. Mundy
23. **Practice Teaching**—Three hours studio. One hour credit.
24. **Practice Teaching**—Course 23 continued. Three hours studio. One hour credit.
25. **Contemporary Painting and Sculpture**—Discussion of important art movements that have influenced the work of modern artists. Comparison of contemporary national schools. Open to juniors and seniors. Two hours attendance. Two hours credit. First semester.
26. **Composition**—One hour attendance. One hour credit. Grant
27. **Modeling**—Elements of clay modeling, specially planned for teachers of public schools. Two hours attendance. Two hours credit.
28. **Modeling**—Course 27 continued.
- Applied Mechanics 29. **Engineering Freehand Drawing**—A course specially planned to meet the needs of students in Engineering and

Physics. Elementary principles of perspective and objective drawing. Two hours studio. One hour credit. Grant

Applied Mechanics 30a. *Perspective*—Geometrical construction, principles of mechanical drawing, projection, and isometric drawing. One hour attendance. Five hours drawing. Two hours credit. Rasmusen

Applied Mechanics 31a. *Perspective*—Course 30a continued. Elements of descriptive geometry, theory of perspective, shades and shadows. Prerequisite: Course 30a. One hour attendance. Five hours drawing. Two hours credit. Rasmusen

Applied Mechanics 32a. *Perspective*—Course 31a continued. One hour attendance. Five hours drawing. Two hours credit. Rasmusen

NOTE: An evening class in freehand drawing to meet the needs of mechanics, engineers, designers and others employed during the day will be formed on demand. Hours 7:30 p. m. to 9 p. m., one night per week. Terms \$3 per semester.

HISTORY AND CRITICISM OF FINE ARTS

Professor Dann (*Head of Department*)

The following courses have to do with the principles of aesthetic criticism, and the evolution of art in its relation to nature, to science, and to social influences. The course consists of lectures and discussions in class, collateral reading, and preparation of papers on assigned topics.

31. *Interpretation of Art*—This course is introductory to the general subject, and comprises a compendious survey of the chief periods in the history of art, together with practice in interpreting pictures, sculpture, architecture, and decorative designs. It is intended to help students to a sound criticism and appreciation of works of art. Examples are taken from various periods and schools. Open to all except freshmen. Two hours attendance. Two hours credit. First semester. Dann

32. *Interpretation of Art*—Course 31 continued. Second semester.

33. *History of Greek and Roman Art*—A study of classical architecture, sculpture, and the minor arts. Two hours attendance. Two hours credit. First semester. Dann

34. *Christian Art*—From the decline of Rome to the thirteenth century. Moorish architecture and decoration are also considered in this course. Two hours attendance. Two hours credit. Second semester. Dann

35. *History of Italian Art*—From Cimabue to Perugino. Open to juniors and seniors. Courses 31 and 32 are prerequisite. Three hours attendance. Three hours credit. First semester. Dann

36. **History of Italian Art**—From Raphael to Tintoretto. Pre-requisite: Course 35. Three hours attendance. Three hours credit. Second semester.

Dann

37. **Early Dutch and Flemish Painters**—To the 16th century. First semester. Three hours attendance. Three hours credit.

Dann

38. **The Dutch and Flemish Painters**—Of the 17th and 18th centuries. Second semester. Three hours attendance. Three hours credit.

Dann

39. **Cathedral Architecture**—A study of the construction and decoration of Romanesque and Gothic churches in Italy, France, Germany, and England. Open to all except freshmen. Two hours attendance. Two hours credit. First semester.

Dann

40. **Modern Architecture**—The architecture of the Renaissance is taken up and discussed, including the points wherein it resembles or differs from classical architecture. The study and criticism of modern buildings of architectural pretensions also receives some attention. Open to all except freshmen. Two hours attendance. Two hours credit. Second semester.

Dann

For course in Roman Archaeology see Roman History and Literature 19.

For course on the Interpretation of Contemporary Art see Drawing and Painting 25.

AESTHETICS

Professor Alexander

41. **Philosophy of Criticism**—Origin and development of the different types of artistic expressions; the formation and significance of art traditions; analysis of such conceptions as naturalism, symbolism, realism, idealism, classicism, romanticism, etc. Two hours attendance. Two hours credit. First semester.

Alexander

42. **Philosophy of Criticism**—41 continued. History of aesthetic criticism. Aristotle's *Poetics*, Longinus' *On the Sublime*, and other treatises, are read in English. (Course 41 not necessarily prerequisite.) Two hours attendance. Two hours credit. Second semester.

Alexander

43. **History of Culture**—Historical phases of the conception of culture. The rise of culture in the Mediterranean basin, with special study of the Graeco-Roman ideal of enlightened living. Plato's *Republic*. Three hours attendance. Three hours credit. First semester.

Alexander

44. **History of Culture**—The culture of medieval times and of the Italian Renaissance, the 18th century enlightenment and humanitar-

ianism; humanism today. Three hours attendance. Three hours credit. Second semester. Alexander

ELOCUTION AND DRAMATIC ART

Associate Professor Howell, Professor Pound, Associate Professor Scott

Only students in the course leading to the degree of Bachelor of Fine Arts can receive more than eighteen hours credit in Elocution and Dramatic Art. The departments of Germanic and Romance languages offer courses in Dramatics. Two hours in each may be substituted toward the required "Dramatics."

As in all other departments of the University, three hours of work per week is considered the basis for one credit hour, but no credit is granted without the completion of a minimum of acceptable work.

51a. Reading and Speaking—The aim is to secure naturalness and sincerity in reading and speaking, to preserve the individuality of the student, and to obtain freedom from self-consciousness. Special attention to voice culture, correct articulation and definite gesture. Analysis and vocal interpretation of selections from orators, essayists, dramatists and poets. Class recitals. All students who register for this course are required to register for 51b. Tuition fee \$2.00. Two hours attendance. Two hours credit. First semester. Howell

51b. Phonetics—Elements of English articulation. One hour attendance. One hour credit. Howell

52a. Reading and Speaking—51a continued. Prerequisite: 51a and 51b. Tuition fee \$2.00. Second semester.

52b. Phonetics—A general introduction to the subject. Lectures and exercises. The course directs attention to the accurate pronunciation of English. It may also serve as a basis for the study of the historical phonology of the various languages. One hour attendance. One hour credit. Second semester. Pound

53. Dramatic Interpretation—Advanced study of voice culture, impersonation, pantomime and gesture. Interpretation of various kinds of dramatic literature—prose and poetry. Special attention to the oration and critical study of *Hamlet*, *As You Like it*, *Macbeth*, *Romeo and Juliet*, *Much Ado About Nothing*, *Twelfth Night*, *The Rivals*, and some modern play. Analysis of plot, character and incidents. Dramatic presentation of principal scenes before the class. Prerequisite: Courses 51 and 52. Tuition fee \$2.00. Three hours attendance. Two hours credit. First semester. Howell

53a. Public Speaking—Extemporaneous work in lectures and addresses, based on courses 51 or 52. Tuition fee \$2.00. Two hours attendance. Two hours credit. First semester. Howell

54. **Dramatic Interpretation**—53 continued. Tuition fee \$2.00. Second semester.

54a. Course 53a continued.

55. **Dramatics**—An intensive study of the drama and the oral interpretation of masterpieces of literature with the aim of acquiring a repertoire. Each member of the class is required to interpret various kinds of selections for a program. Each member is also required to take part in character interpretations of scenes from dramas presented before the class and is given the opportunity of appearing in a public recital or a public play. Prerequisite: Courses 51, 52, 53 and 54 or the consent of the instructor. Tuition fee \$2.00. One to five hours credit. First semester.

Howell

56. **Dramatics**—55 continued. Tuition fee \$2.00. Second semester.

57. **Dramatics**—55 and 56 continued. Work planned with reference to the history of the drama and the theater. Reports by members of the class on assigned topics. The writing of dramatic criticisms and the coaching of plays. Individual public recitals by members of the graduating class. Tuition fee \$2.00. One to five hours credit. First semester.

Howell

58. **Dramatics**—57 continued. Tuition fee \$2.00. Second semester.

59. **Teachers' Course**—Special course for teachers in city schools and for students in the Teachers College. Intended to strengthen the teaching of reading by the formation of an intelligent reading habit. Analysis of selections from the best literature and the application of principles of interpretation to classroom and platform work. Special attention to articulation, pronunciation, and voice-development. The presentation in pantomime of characters and scenes from life and literature. Individual criticism. Discussion of programs and of supplementary literature for classroom use. Tuition fee \$2.00. Two hours attendance. Two hours credit. First semester.

Howell

60. **Teachers' Course**—59 continued. Tuition fee \$2.00. Second semester.

61. **History of the Theater**—A study of the evolution of dramatic presentation, tracing the art from its most rudimentary forms to the theater of modern times. Special attention given to theatrical aspects and their influences upon dramatic tendencies. Lectures, papers and readings. Two hours attendance. Two hours credit. First semester.

Scott

62. **History of the Theater**—61 continued. Second semester.

Drama Courses in English and French

Eng. Lit. 3. **Shakespeare**—First studies in the literary art of this author. *Macbeth* studied in daily written exercises and library read-

ings, with independent investigation of special topics on the art and literary history of the play. Three hours attendance. Three hours credit. First semester. Scott

Eng. Lit. 4. Shakespeare—3 continued. Written studies in *Hamlet* and *Othello*. Second semester.

Eng. Lit. 39. **Play Construction**—Intended for specially qualified students who wish to work along the lines of practical play writing. An intensive study of the fundamental principles of the acting drama and an application of these principles in original construction and criticism. Primarily, a writing and practice course, including the guidance of the student not only thru the making of a producible play but its actual stage presentation. Admission by consent of instructor. Two hours attendance. Two hours credit. Scott

Eng. Lit. 40—**Play Construction**—39 continued.

Eng. Lit. 23. **Browning**—Written studies of *Luria*, *Return of the Druses*, *Pippa Passes*. Two hours attendance. Two hours credit. First semester. Sherman

Eng. Lit. 24. **Browning**—23 continued. *The Ring and the Book*, *Sordello*. Second semester.

Eng. Lit. 25. **Shakespeare**—Advanced studies in dramatic art, as represented in *Cymbeline*, *The Winter's Tale*, *Carolanus*. Two hours attendance. Two hours credit. First semester. Sherman

Eng. Lit. 26. **Shakespeare**—25 continued. *Romeo and Juliet*, *Twelfth Night*, *King Lear*. Second semester.

Rhetoric 34. **Comparative Criticism**—A comparative study of the drama—Greek, Spanish, French and English. Mainly a reading course, controlled by reports, critiques and lectures. Intended to give the student some sort of foundation for the critical appreciation of literature. A reading knowledge of French is indispensable. Admission by consent of the instructor. Two hours attendance. Three hours credit. Frye

¹French 13. **Modern French Drama and Novel**—One hour credit. First semester.

¹French 14. **Modern French Drama and Novel**—13 continued. Second semester.

MUSIC

Mrs. Raymond, Director

91. **Chorus Conducting**—Singing and interpretation, including correct phrasing, diction, breathing, and the principles of voice produc-

¹Open to strong students with at least two years French. Consultation with head of department before registration.

tion. Grand opera and oratorio are studied each year and given with orchestral accompaniment. "The Messiah" is presented annually. The chorus takes part in one performance of the "May Festival" and is admitted to the concerts given by the imported symphony orchestra. Three hours attendance. One hour credit. First semester.

Raymond.

92. **Chorus Conducting**—91 continued. Second semester.

93. **Musical Interpretation**—An informal course of lectures on musical interpretation, dealing primarily with the compositions presented at musical convocations. Open to all students and the general public. No credit.

Dann

94. **Musical Interpretation**—Course 93 continued. Second semester.

95. **Public School Music**—Methods of Public School Music. Two hours attendance. Two hours credit.

96. **Public School Music**—Course 95 continued. Second semester.

THE THEORY AND HISTORY OF MUSIC

Associate Professor Singer

The department of the Theory and History of Music will in time offer a two hour course for each semester of the four college years. This work is open to all University students and is required of all who wish to qualify for the degree of Bachelor of Fine Arts in Music. A tuition fee of ten dollars per semester will be charged. For the year 1918-1919 the following courses will be offered:

71. **Elementary Harmony**—This course deals with the fundamental principles of melody, harmony and rhythm. Thoro exercises in ear training and dictation. The ability to think musically will be developed. The study of harmony will be carried thru triads and their inversions, seventh and ninth chords, non-harmonic tones, and simple modulations, and will include the harmonizing of both given basses and given melodies. An accurate ear and familiarity with notation are required for admission. Two hours recitation. Two hours credit. First semester.

Singer

72. **Elementary Harmony**—Course 71 continued. Second semester.

73. **Advanced Harmony and Elementary Form**—This is a continuation of course 71-72, and deals with the more advanced phases of musical theory, such as the altered chords, remote and enharmonic modulation, organ point, non-harmonic tones, etc. Passages from representative compositions will be analyzed. The principles of simple musical forms will be studied, and both given and original melodies will be harmonized. Course 71-72 or its equivalent required for admission. Two hours recitation. Two hours credit. First semester.

Singer

74. **Advanced Harmony and Elementary Form**—Course 73 continued. Second semester. Singer

77. **History of Music**—This course aims to familiarize the student with the main epochs of musical development as recorded in the works of composers down to the beginning of the nineteenth century. Ancient and medieval music will be briefly sketched, but greater emphasis will be laid on the period beginning with Palestrina and ending with Beethoven. It is suited to the needs of those who desire an understanding of music as a part of liberal culture. No previous knowledge of music is required.

Instruction will be carried on by means of lectures and text books, and these will be supplemented by collateral reading and by musical illustrations. Two hours recitation. Two hours credit. First semester. Singer

78. **History of Music**—Course 77 continued. Second semester.

79. **History of Music: From Schubert to End of Nineteenth Century**—This is a continuation of Course 77-78, and deals with the main currents of music from Schubert to the end of the nineteenth century. Representative compositions of the leading composers will be analyzed. The aim of the course is to enlarge the historical and critical equipment of the student. The salient features of romantic and modern compositions will be examined, and the tendencies of each school and epoch will be studied with special reference to the aesthetic principles involved.

Instruction will be carried on by means of lectures and text books, and these will be supplemented by collateral reading and by musical illustrations. Two hours recitation. Two hours credit. First semester. Singer

80. **History of Music**—Course 79 continued. Second semester.

89. **Ear Training**—Elements of ear training, required of all students who are deficient in this subject. Tuition fee \$5.00. One hour attendance. No credit. Singer

APPLIED MUSIC

Accredited Instructors

All students of Applied Music must pass the entrance examinations in Applied Music in addition to the University entrance requirements. A registration fee of five dollars per semester is charged. Students arrange directly with instructors in regard to tuition fees.

Students in the College of Arts and Sciences, who are working toward the A. B. degree, may receive a total of eight credit hours in Applied Music and not more than two in any semester. Students in the special course in music who are working toward the B. F. A.

degree, are required to complete forty hours of Applied Music and sixteen hours of the Theory and History of Music, with a satisfactory graduation recital. All who take their major in Vocal Music must complete twenty-four hours in this subject and sixteen in Instrumental Music.

As in all other university subjects, three hours of work per week constitute the basis for one credit hour. All students of Vocal Music must register for at least two lessons per week. Students of Instrumental Music must register for one lesson per week for one credit hour and for at least two lessons for five credit hours.

81-88. **Applied Music**—Piano, Violin, Vocal Music. Two to five hours credit. Accredited Instructors

FRENCH

(See "Romance Languages.")

GEOGRAPHY AND CONSERVATION

State Conservation and Soil Survey

Professor Condra (*Head of Department and Director of Survey*),
Professor Bengtson, Professor Brownell, Professor Loveland,
Miss Nelson, Miss Anderson, Mr. Wolfanger

Courses 1, 2, 4, 5 and 6 are open to all students. Field courses are planned separately for men and women. Courses 1, 5, 21 and 22 are well adapted to the needs of Engineering students. Persons preparing to teach Geography should consult with the head of the department concerning the choice and sequence of courses. The courses required for majors and minors will vary with the individual needs of the students.

Thru co-operation with other departments this department offers preparation for work in Soil Survey and in Real Estate. The needed courses may be grouped to correlate with the general requirements of the Colleges of Agriculture and of Arts and Sciences so as to afford specialization along the above named lines during the sophomore, junior and senior years. Students wishing to take advantage of this training should elect their major in the department of Geography and Conservation, and on first consultation with the departmental adviser should indicate which one of the vocational lines he intends to follow. Graduate instruction leading to the second and third degrees is offered. Theses are based on original work done in the laboratory and field.

Nebraska Conservation and Soil Survey

The State Conservation and Soil Survey is directed from this department. This survey as defined by the statutes of the state, covers

soil, forest, road materials, water resources and industries of the state. To it is also given the duty of making such land investigations as are found necessary under the "Blue Sky" law. It is in the charge of the Board of Regents and under the advisory authority of the State Conservation and Welfare Commission.

The Soil Survey is conducted on a basis of co-operation between the national government and the state. This relation gives opportunity for practical training in field survey work and also for the employment of some advanced students in state service.

COURSES

1. **General Geography**—An introductory study of geographic influences in human life. Emphasis is given material resources and land forms in their relation to industry—the physical geography of the land. The course offers the basis for the geographic interpretation of history, and includes the geographic material essential in the general science studies. Lectures fully illustrated by lantern slides, maps, models, and specimens. Two hours attendance. Four hours library and laboratory preparation. Two hours credit. Open to all. First semester. Bengtson and Assistants

2. **North America**—A summary study of the political divisions, relief, drainage, coast lines and climate of the continent. Full treatment is given each of the topographic regions, including structure, topography, physiographic development, resources and industries. The Great Plains region is emphasized. The course is suited to all students who wish a knowledge of the geography of our country. "Know America Better" is the keynote of the course. Lectures illustrated. Two hours attendance. Four hours library, laboratory and preparation. Two hours credit. Second semester. Bengtson

4. **The Atmosphere (Meteorology)**—The course is designed to meet the needs of students in geography and agriculture. Some of the topics considered are: The composition of the atmosphere; distribution of heat and atmospheric pressure; wind systems; humidity and rainfall; storms; hot winds; changes and fluctuations of climate; climatology in its relation to deserts, prairie land, forests, agriculture, and the distribution of people; the construction of weather maps and climatic charts; forecasting, and the use and care of meteorological instruments. Two hours attendance. Four hours preparation. Two hours credit. First and second semesters. Loveland

5. **Industrial Geography**—This course covers the mineral fuels, iron, forest, and water resources and their development. Studies are made of the following: Coke, coal, petroleum, iron and steel, lumber, turpentine, pulpwood, rubber, and water power. Lectures fully illus-

trated by slides, motion pictures, charts, and specimens. Two hours attendance. Four hours library and preparation. Two or three hours credit. Open to all. First semester.

Condra, Bengtson

6. **Agricultural Industries**—Practical studies are made of the following industries: Cotton, corn, wheat, beet sugar, cane sugar, apple, poultry, cattle and sheep. The processes involved in converting raw materials into the finished articles of commerce are emphasized. The forms, processes, and commercial relations are illustrated by means of specimens and well selected sets of lantern slides and motion pictures. This is a course in practical agricultural industry. Two hours attendance. Four hours library, museum, and preparation. Two or three hours credit. Second semester.

Condra, Bengtson

7. **Methods in Physical Geography**—This course deals primarily with the problem of presenting Physical Geography in the high school. Discussion of subject matter and methods of teaching. Collection and use of reference books and illustrative materials. Selection of laboratory exercises. Purpose and management of field excursions. Should be preceded by Geography 1 and 2 or equivalent. Involves working a selected list of exercises suitable for use in high schools. The teachers' problems in preparing for these exercises are studied, and some time given to discussion of suitable demonstration experiments for class use. Serves to prepare students for actual laboratory supervision. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

Nelson

11. **Teachers' Laboratory Courses in Physical Geography**—Involves class management, class instruction, making of lesson plans, review of examination papers, provision for desk experiments; direction of laboratory work with sections of the Geography classes in the high school, care of the laboratory and its supplies, preparation in advance for experimental work, assistance to pupils at the tables, and review of laboratory papers handed in. Two hours conference. Four hours laboratory, or three hours teaching. One or two hours credit. First semester.

Brownell, Nelson

12. **Laboratory Course in Regional Geography**—Intensive study of selected regions of the United States designed to furnish students the preparation necessary for accurate independent work. Two hours credit. Second semester.

Bengtson

17. **Seminar**—Primarily for graduate students. Special research problems. Credit determined by results and time. First semester

Department Staff

18. **Seminar**—Course 17 continued. Second semester.

28. **Agricultural Geography of Nebraska**—The physiography and industries of the state is the central theme of the course. Topographic and soil regions are carefully studied, especially with respect to their

geography and agricultural relations. Lectures are given by men representing different phases of the state development and survey activities. Designed for those who wish to know Nebraska better. Lectures illustrated by slides, specimens and motion pictures. Some field trips are made to places of physiographic and industrial interest. Two hours attendance. Two hours credit. Second semester.

Bengtson

52. **Agricultural Geography**—A fundamental course in the study of land and climate. Some of the topics treated are: Materials of the land; rock weathering; erosion by streams, glaciers, ground water, and wind; origin and description of land forms; weather and climate. Field trips are made to interpret and describe land forms. Laboratory work includes study of soil forming minerals and rocks, construction and interpretation of maps, uses of weather maps, climatic charts, and meteorological instruments. Lectures illustrated. Three hours attendance. Six hours laboratory and preparation. Three hours credit. Second semester at farm campus.

Bengtson, Loveland

Field and Survey Courses

9. **Field Work**—For women. Excursions to points of geographic interest near Lincoln, Milford, Pleasant Dale, Roca, South Bend and Louisville. A study of rivers, flood plains, terraces, drift deposits, rock ledges, escarpments, talus slopes, valleys, quarries, and sand dredging. A valuable course for all, especially so for prospective teachers. Credit depending on time and results, one or two hours. First and second semesters.

Nelson, Mrs. Condra

10. **Field Work**—Course 9 continued. Second semester.

21. **Field Work**—Open to all men students. Excursions are made to the valleys of Salt Creek, Blue River and the Platte to study the various surface features, such as loess plains, drift hills, alluvial terraces, fans, flood plains, rock benches, talus slopes, spurs, and ridges, sand dredging, gravel pits, clay pits, and quarries. Use of level, camera, and drawing materials as employed in surveys. Interpretation of topography and origin of different series of soil emphasized. Field trips on certain Saturdays. One or two hours credit. First and second semesters.

Bengtson, Wolfanger

22. **Land Mapping**—Course 21 continued. Plane table work added. First and second semesters.

23. **Soil Survey**—A field course in practical soil classification, description, and mapping. The methods used in state and national surveys exemplified. Designed for Agriculture, Engineering, and special students preparing for work on state or federal soil surveys. Autos

are used for field reconnaissance. Open to advanced students registered by permission. Two hours credit. First and second semesters.

Condra, Bengtson

24. Soil Survey—Course 23 continued.

31. Motography—A practical course in motion picture camera work, studio and laboratory exercises, printing, developing and assembling films and motion picture projection. By permission. One or two hours credit. First and second semesters.

Lindsay

GEOLOGY

Professor Barbour (*Head of Department*), Associate Professor Schramm, Associate Professor Webster, Assistant Professor Barbour, Mr. Ellis

It is recommended that as far as practicable Elementary Botany, Chemistry 1 and 2, and Zoology precede the study of Geology. Training in Greek and Latin, and a working knowledge of Spanish, French and German is especially commended to those pursuing professional courses.

Assaying—Chemistry 27 and 28—is strongly recommended to all students of mineralogy. A knowledge of Botany and Forestry is an important aid to Field Geologists.

Students preparing themselves for civil service examinations in Geology should study Civil Engineering 5 and 6.

Candidates for the University Teachers' certificate in this department should complete, for a minor, Courses 1, 2, 9, 13, 13A, and 29. Other courses, meeting special needs, may be arranged upon consultation.

The courses in this department are wholly elective. Courses leading to advanced degrees are arranged, on consultation, to meet the needs of candidates. As far as possible, courses are repeated each semester.

1. Elementary Geology—Dynamical. Collateral readings, examination and determination of about 200 common minerals and rocks. Three hours attendance. Three hours laboratory. Three hours credit. First and second semesters.

Barbour, Webster

2. Elementary Geology—Historical. Three hours attendance. Three hours laboratory. Three hours credit. First and second semesters.

3. Advanced Geology—Collateral readings. Experimental, laboratory and field work. Credit based on results. First and second semesters.

Barbour

4. Teachers' Course in General Geology—A general survey of the fundamental principles of physiographic, structural, dynamical, and historical geology. Field excursions. Observation and interpretation

of ordinary phenomena. Field notes, maps, sections, and the identification of materials collected. Study of a large number of characteristic minerals, rocks, fossils, and specimens illustrating phases of structural geology. Two hours attendance. Six hours preparation and laboratory. Two hours credit. First and second semesters.

Barbour, Webster

5. **Geology of Soils**—A study of the origin of soils; classification; mineral composition; physical properties; areas, etc. Two hours attendance. Three hours laboratory and library. Two hours credit. First and second semesters.

Ellis

7. **Practical Course**—Special teachers' course. Arranged on consultation. Three to five hours attendance. One or two hours credit. Second semester.

Barbour, Webster

8. **Map Construction and Interpretation**—Teachers' course. Map drawing and coloring; modeling in papier mache, clay, wax and other media; making plaster and gelatine moulds; casting in plaster of Paris. Suited to various grades. One hour credit. First semester.

Barbour, Miss Barbour, Webster

FOR SPECIAL STUDENTS

For students desiring special work as an aid to mining engineering, civil service appointment for work in geology, forestry, topography, Geology 13 may be combined with any one or more of the following courses:

A. **Elementary Mineralogy and Blowpipe Analysis**—One hour attendance. Two hours laboratory. One hour credit.

B. **Elementary Paleontology**—Study of index fossils for stratigraphic determination. One hour attendance. Two hours laboratory. One hour credit.

C. **Elementary Lithology**—One hour attendance. Two hours laboratory. One hour credit.

D. **Elementary Crystallography**—One hour attendance. Two hours laboratory. One hour credit.

E. **Elementary Field Work, Relief Maps, etc.**—One hour credit.

Mining Geology

33. **Mining Geology**—A study of the nature of ore deposits; principles and methods of mining, methods of prospecting, locating, mapping, and valuing mining properties; mine timbering; the economics of mining; laboratory study of common minerals, ore minerals,

and associated rocks. Two hours attendance. Four hours laboratory and library. Two hours credit. First and second semesters.

Schramm

40. **Mine Ventilation and Drainage**—Study of mine gases, origin, effect, and detection; methods of ventilation, control and measurement of air currents; types of mine fans, gas and dust explosions; mine fires; mine fatalities; kinds of mine rescue apparatus and use; with problems on mine ventilation. Sources of mine water and drainage methods. Two hours attendance. Four hours library and laboratory. Two hours credit. First and second semesters.

Schramm, Ellis

41. **Structural Geology Applied to Mining**—Study of specimens illustrating types of texture and minute rock structure; kinds of cleavage, joints, dikes, and unconformities; with a detailed study of the folding and faulting of rocks with their relation to mineral veins and coal beds. Emphasis laid on solution of structural problems. Two hours attendance. Four hours library and laboratory. Two hours credit. First and second semesters.

Schramm, Ellis

Engineering Geology

25. **Engineering Geology**—A study of rocks, rock-forming minerals, and materials for structural purposes. Two hours attendance. Four hours library, laboratory, and field. Two hours credit. First and second semesters.

Barbour, Schramm, Ellis

26. **Engineering Geology**—A continuation of course 25. A study of geological principles as applied to engineering operations; rock structures; building stones; road materials; water supply, etc. Prerequisite: A working knowledge of rocks and rock-forming minerals. Two hours attendance. Three hours laboratory and library. Two hours credit. First and second semesters.

Ellis

Economic Geology

34. **Economic Geology**—A study of the commercial ore minerals, their occurrence, distribution and economics, with special emphasis upon the ores of iron, copper, zinc, lead, gold and silver. Two hours attendance. Four hours laboratory and library. Two hours credit. Second semester.

Schramm

35. **Economic Geology**—A study of the non-metallic minerals, coal, oil, gas, and other hydro-carbons, building stones, clay, cements, saline, and associated substances, fertilizers, abrasives, minor minerals, precious stones, and underground waters. Four hours laboratory and library. Two hours credit. First semester.

Schramm

35a. **Economic Geology**—A continuation of course 35. Four hours laboratory and library. Two hours credit. Second semester.
Schramm

43. **Clays**—An elementary study of the origin, properties, classification, distribution, uses, and economics of clays. Two hours credit. First semester.
Ellis

Mining Course

Introductory to the formal establishment of a two-year course in Mining; the following advisory courses are recommended for the consideration of students who expect to specialize in Mining Engineering and purpose entering special mining schools.

FIRST YEAR
FIRST SEMESTER

	Hours
Mathematics 1—(Trigonometry).....	5
Chemistry 1, 1a or 3—(General Chemistry).....	3
Geology 1—(General Geology).....	3
Physics 1—(General Physics).....	3
Rhetoric 1—(Composition).....	2
Total.....	16

SECOND SEMESTER

Mathematics 2—(Analytic Geometry and Calculus).....	5
Chemistry 2, 2a or 4—(General Chemistry).....	3
Physics 2—(Heat and Sound).....	3
Geology 15—(Blowpipe Analysis of Minerals).....	3
Rhetoric 2—(Composition).....	2
Total.....	16

SECOND YEAR
FIRST SEMESTER

	Hours
Mathematics 3—(Analytical Geometry and Calculus).....	5
Surveying 5.....	2
Surveying 5a—(Field Work).....	2
Chemistry 21—(Quantitative Analysis).....	2
Physics 3—(Electricity).....	2
Geology 33—(Mining Geology).....	2
Mechanical Drawing 1.....	3
Total.....	18

SECOND SEMESTER

	Hours
Mathematics 4—(Calculus).....	5
Physics 4—(Electricity and Light).....	3
Chemistry 22—(Quantitative Analysis).....	2
Chemistry 28—(Assaying)	2
Geology 34—(Economic Geology).....	2
Mine Surveying.....	3
Total.....	17

Mineralogy and Crystallography

15. **Mineralogy**—Blow-pipe analysis of minerals. One, two or three hours attendance. Two, four or six hours laboratory. One, two or three hours credit. First and second semesters. Schramm

16. **Mineralogy**—15 continued. First and second semesters.

17. **Crystallography**—Crystallographic forms and measurements, mathematical relations, physical and optical properties. One hour attendance. Two hours laboratory. One hour credit. First and second semesters. Barbour, Webster

Petrology

29. **Elementary Petrology**—For teachers and others who wish a general knowledge of rocks. One hours attendance. Three hours collateral readings and laboratory. One hour credit. First semester. Schramm

30. **Petrology**—A study of rocks and rock-forming minerals determined by means of physical, optical and chemical methods. Prerequisite: Courses 11, 13, and 17. Three to six hours laboratory. One to two hours credit. Second semester. Schramm

Field Geology

27. **Field Geology**—Study of structure and stratigraphy of type sections in carboniferous, cretaceous, and recent deposits in southeastern Nebraska. Mapping, photographing and sectioning quarries, clay and gravel pits; collecting and studying characteristic fossils. Economic study of brick plants, crushers, dredges, concrete establishments, and drainage canals. Finished report from field notes. One or two hours attendance. Two or four hours field and laboratory. One or two hours credit. First and second semesters.

Schramm, Barbour

31. **Field Work**—Geologic and topographic mapping, with particular emphasis on methods employed by the United States Geological Sur-

vey, construction of relief maps from topographic maps made by the students. Finished report from field notes. One or two hours attendance. Three or six hours field and laboratory. One or two hours credit. First and second semesters. Schramm

37. **Elementary Field Class**—Field trips to various points of geologic interest and instruction. Field notes with sections and sketch maps; collecting and identifying specimens. Primarily for teachers and elementary students. First and second semesters. One or two hours credit. Ellis

Summer Courses in Mining and Field Geology

38. **Mining Excursion**—Six weeks will be spent in a detailed study of mines, mills, and ore deposits of the Black Hills and other Rocky Mountain regions. This course includes the general geology of the region; the construction of one topographic base map; stratigraphic and structural geologic maps. A study of the mica, gypsum, quartz, and cassiterite mines at Custer and Hill City, with a detailed study of the mines of the northern Black Hills with especial attention to the Homestake mine, and the coal mines at Cambria, Wyoming. The features of geologic interest listed in 39 will be studied incidentally to this work. Five hours credit. Schramm, Barbour

39. **Geologic Excursion**—Summer geologic excursion to the Black Hills and Rocky Mountain region for the study of general geology and paleontology. Special attention will be given to the sand hills and bad lands of Nebraska, the thermal springs, wind cave, Crystal Cave, gypsum and other deposits, and quarries in the vicinity of Hot Springs, South Dakota; the granite needles at Harney Peak, Spearfish Canyon and Falls; intrusives of Sundance Mountain and Devil's Tower, the ore deposits, and mines of the northern Black Hills will be visited incidentally to this work. Time required, 6 weeks. Five hours credit. Barbour, Schramm

Paleontology

9. **Elementary Paleontology**—An elementary study and comparison of living and fossil invertebrates. One hour attendance. Two hours laboratory. One hour credit. First semester. Barbour, Webster

10. **Elementary Paleontology**—9 continued. Study of the higher forms. Second semester.

11. **Local Paleontology**—Fossils of the state. Designed primarily for teachers. Prerequisite: Course 9. One or two hours credit. First and second semesters. Barbour, Miss Barbour

12. **Local Paleontology**—Special problems. Designed primarily for graduate students. Credit conditioned on results. First and second semesters. Barbour

19. **Index Fossils**—A study of index fossils for stratigraphic determination. One hour attendance. Two hours reading. Three hours laboratory. Two hours credit. First and second semesters.

Barbour, Webster-

GERMANIC LANGUAGES AND LITERATURES

Professor Fossler (*Head of Department*), Associate Professor Schrag
GENERAL INFORMATION

The organization of the department of Germanics (aside from the Scandinavian languages and literatures) provides for four more or less sharply defined lines of instruction, namely:

1. Elementary (courses 1-3).
2. Intermediate (courses 4-10).
3. Advanced undergraduate (courses 11-16a).
4. Graduate (courses 21-25).

Students beginning their study of German in the University with course 1 should, ordinarily, not look towards making German their Major. To fulfill the requirements for a Major would, under these circumstances, require more time and strength than they could well spare from their college course.

Those contemplating specializing in Germanics are advised to do co-ordinate work in English or English literature, in Latin or History, particularly German history (cf. European History 7).

The requirements for the undergraduate University Teachers' Certificate are as follows: (a) Preparatory: Two years' work in a good high school German course or courses 1, 2, 3 at the University. (b) Major: Courses 4, 5, 6, (or 5a), 7, 8, 19, and at least six semester hours in German literature above courses 5 and 6 (or 5a). (c) Minor: The above mentioned courses with the exception of the more advanced literature courses.

A Major in the College of Arts and Sciences—not leading to the Teachers Certificate—requires a minimum of 20 semester hours above the preparatory courses 1, 2, and 3. To insure wise and careful selection of studies students should advise with the head of the department before registering.

PREPARATORY COURSES

1. **Beginners' German**—A careful and thoro study of the fundamentals of the language: Pronunciation, the inflectional systems, sentence-structure, the vocabulary of everyday life, etc. Practice in understanding and speaking German based upon easy reading, e. g., Allen's *German Life*. Five hours attendance. Five hours credit. First and second semesters.

Fossler, Schrag

2. **Beginners' German**—Grammar and reading studies continued. Application to simple modern narrative and descriptive prose, e. g., Holzwarth's *Gruss aus Deutschland*. Composition exercises based upon texts read. Hours and instructors as in course 1. First and second semesters.

3. **Second Year German**—Modern prose, such as Niese's *Aus dänischer Zeit*, Schrakamp's *Ernstes und Heiteres*, Gerstäcker's *Germelshausen*, Rosegger's *Waldheimat*, Müller's *Neue Märchen* or Roeder's *Schwarzwaldleut'*, Freitag's *Die Journalisten*. Systematic elementary composition and conversation based upon Allen's *First German Composition* and upon texts read. Five hours attendance. Five hours credit. First semester.

Schrag

INTERMEDIATE COURSES

PRIMARILY FOR UNDERGRADUATES

4. **Second Year German**—Translation and, as far as possible, discussion in German of more advanced text, e. g., Meyer-Förster's *Karl Heinrich*, Mogk's *Deutsche Sitten und Gebräuche*, Karl Schurz' *Lebenserinnerungen*, Meyr's *Ludwig und Annemarie*, Fulda's *Das Verlorne Paradies*, Sudermann's *Frau Sorge*, Schiller's *Jungfrau von Orleans* or *Tell*. Composition: Pope's *Writing and Speaking German*. Students who have had four semesters German in the high school should likewise register in this course. Five hours attendance. Five hours credit. First and second semesters.

Fossler

4a. A course essentially equal to the foregoing, designed for high school students who have had two full years of German instruction.

5. **Third Year German**—Introductory literature, chiefly classical prose and verse, e. g., Lessing's *Minna von Barnhelm*, Schiller's *Maria Stuart*, *Jungfrau von Orleans*, Goethe's *Iphigenie*, Hatfield's *Collection of German Lyrics and Ballads*. Three hours attendance. Three hours credit. First semester.

Fossler

6. **Third Year German**—Above course continued with texts already mentioned or with Heine's *Prosa*, Goethe's *Egmont*, Schiller's *Wallenstein*. Three hours attendance. Three hours credit. Second semester.

Fossler

5a. **Third Year German**—A combination of courses 5 and 6. The object of this course is to afford an opportunity to finish the third year's work to students who complete their fourth semester German mid-year. Five hours attendance. Five hours credit. Second semester.

Fossler

5b. **Third Year (Scientific) German**—During the second semester—the biological and physical sciences being stressed in alternate years—the department offers a three hour course in technical readings cov-

ering the principal sciences: (a) Biology, zoology and botany; (b) chemistry, physics, and technological subjects, using texts such as Palmer's *Grundzüge der Naturlehre*, Kip's *A German Scientific Reader*, and various scientific monographs. The aim and purpose of the course is to prepare students adequately to use the German as a tool in their scientific work. *To be admitted to class, students must have had at least the equivalent of two (2) full college years of German.* The class meets at 5:00 M., W., F. Three hours attendance. Three hours credit. Second semester.

Fossler

7. **Third and Fourth Year German—Conservation Course**—The design in this and the following course is to furnish such opportunity for gaining as ready and correct a command of spoken German as can be done in the class-room. Special attention is paid to colloquial, every-day idioms and expressions. Greenfield's *Summary of German Grammar*, Fossler's *Material for Conversation*, or Kühne and Vorwerk's *Deutsches Lesebuch*, and similar helps furnish the material used. Three hours attendance. Three hours credit. First semester.

Fossler

8. **Third and Fourth Year German**—7 continued. Free composition, close study of grammatical peculiarities. Committing of poems, proverbs, etc. Three hours attendance. Three hours credit.

Fossler

9. **Third and Fourth Year German—Earlier Nineteenth Century Dramatics**—Selected dramas of Kleist, Grillparzer, Hebbel, Ludwig, Anzengruber. Introduction to their life, works and theory of art. Three hours attendance. Three hours credit. First semester.

Schrag

10. **Third and Fourth Year German**—Continuation of foregoing course. Three hours attendance. Three hours credit. Second semester.

Schrag

ADVANCED COURSES FOR UNDERGRADUATES AND GRADUATES

11, 12. **Fourth Year—Advanced Literature**—The entire year is devoted to a study of the life and works of Goethe: (a) Pre-Weimar period, *Goetz von Berlichingen*, *Werther*, *Iphigenie*; (b) Italy and post-Italian literary activity; (c) *Faust*, *Tasso*. Specially strong students are encouraged to supplement the work of the lecture room by preparing individual reports on various phases of the poet's life and art. Supplementary readings required of all in Grimm, Bielschowsky, Meyer, Thomas, etc. Each course three hours attendance. Three hours credit.

Fossler

[15, 16. **History of German Literature**—From the origins to the middle of the Eighteenth Century. Besides reading representative portions of authors or periods under consideration, students are required to familiarize themselves with works of reference such as Cherer's

History of German Literature, Franke's *Social Forces in German Literature*, Kluge's *Deutsche National-Litteratur*, or Biese's *Litteratur Geschichte*. Lectures, readings and reports. Three hours attendance. Three hours credit. First and second semesters. Not given in 1918-1919. Schrag]

GRADUATE WORK—MASTER OF ARTS

In order to prosecute graduate studies successfully the student should have had preliminary training in German in at least 30 college hours. These 30 hours must represent work covered in courses 5 to 20.

In general, a combination of philological and advanced literary work will prove most suitable to the needs and satisfactory progress of the student. Occasionally a greater degree of specialization, either in linguistics or literature, may be desired and will be permitted, if the student has the necessary preliminary training.

The following courses are suggested as suitable subjects for a Major:

FIRST SEMESTER

	Hours
1. Phonetics	1
2. Gothic	2
3. Any Advanced Literature Course, not already taken.....	3
4. Comparative Germanic Philology.....	3
5. Modern Literature (Seminar).....	2
6. History of German Literature.....	3

SECOND SEMESTER

	Hours
1. Principles of Linguistic History.....	2
2. Critical Study of Lessing and his work or History of German Literature (continued)	3
3. Old and Middle High German.....	3
4. Modern Literature Seminar	2
5. Thesis	2

Coordinate Minors may be chosen either from the more advanced undergraduate courses in the department of German or from other departments such as Latin, the Romance Languages, English and English Literature, History, Philosophy, Education. In all such cases the work elected must be rated by the department concerned as constituting graduate or advanced undergraduate work. The total Minors for both semesters should represent from 8 to 12 semester hours, and must be chosen with the consent of this department.

COURSES OF INSTRUCTION

21. **Phonetics**—The work is based mainly upon Siever's *Phonetik*. One hour attendance. One hour credit. First semester

22. **Old and Middle High German**—Selections from the older literature. Prose and verse. Selections from the *Nibelungenlied*, *Wolfram von Eschenbach*, *Walther von der Volgelweide*, *Hartmann von Aue*, etc. Transition stages between the Middle and the New High German. Three hours attendance. Three hours credit. Second semester. Fossler

23. **Comparative Germanic Philology**—The fundamental principles of linguistic science, with special reference to the prehistoric relationship, and historical development and differentiation of English and German. Three hours attendance. Three hours credit. Fossler

24. **Principles of Linguistic History**—The work is based principally upon Diekhoff's *The German Language*, and Behagel's *Die deutsche Sprache*. Two hours attendance. Two hours credit. Second semester. Fossler

25. **Gothic**—Grammar and readings. The language, with respect to its phonology, etymological connections and inflectional system; its relation to the other Germanic dialects. Two hours attendance. Two hours credit. First semester. Fossler

GREEK HISTORY AND LITERATURE

Professor Lees (*Head of Department*)

Candidates for the University Teachers' Certificate in this department should complete courses 1, 2, 3, 4, 7, 8, and 10 or their equivalent for a major and courses 1, 2, 3, 4 for a minor. One or two years of the Greek language will be found very helpful and even quite essential to a thoro mastery of the Latin language.

GRADUATE WORK

Master of Arts—Requirements vary somewhat according to the preceding work of the student, but at least three years of study in the Greek language, including courses 1, 2, 3, 4, 5, 8 or their equivalents, should be completed before proceeding to graduate work. Majors and minors are arranged with each graduate student on consultation with the instructors. The following statements may indicate in general the requirements for majors and minors:—Major: At least five hours for a year of classroom work; the entire Iliad or Odyssey read in the original; one Attic author carefully read and style mastered; a thoro knowledge of the history and development of Greek literature from Homer to Aristotle; a thesis. First Minor: Six hours, at least, of class room work from courses open to graduate students, supplemented by assigned library readings. Second Minor: One-half of the amount required for a first minor.

Greek Language

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Elementary Greek**—Essential facts of the language; simple exercises and easy readings. Five hours attendance. Five hours credit. First semester.

2. **Elementary Greek**—1 continued. Xenophon's Story of Cyrus. Simple composition exercises. Five hours attendance. Five hours credit. Second semester.

2b. **The Greek in English**—A study of the English words derived from the Greek language. Aims to give such mastery of elementary Greek that the student is able to read Xenophon's Anabasis the following semester. Five hours attendance. Five hours credit. Second semester.

3. **The Odyssey**—Three books read consecutively; sight reading from selected passages of the first twelve books. Literary study of the whole poem from the English translation. Three hours attendance. Three hours credit. Second semester. Prerequisite: Courses 1, 2.

4. **Plato**—The Apology and Crito. Socrates, his method, teachings, trial and death. Two hours attendance. Two hours credit. Second semester. Prerequisite: Courses 1, 2, 3.

FOR UNDERGRADUATES AND GRADUATES

5. **The Greek Drama—Aeschylus**—The Prometheus Bound, and one other drama. A discussion of the works and literary characteristics of Aeschylus. Three hours attendance. Three hours credit. First semester.

6. **Sophocles**—The Antigone, and one other drama. Greek actors, costumes, and theatre. Three hours attendance. Three hours credit. Second semester.

7. **Euripides**—Two dramas read in the original. Style and literary characteristics of Euripides. Two hours attendance. Two hours credit. First semester.

8. **Aristophanes**—The Clouds and Frogs. Rise and development of Athenian comedy. Its relation to Roman and later comedy. Two hours attendance. Two hours credit. Second semester.

9. **The Greek Orators**—Selected orations of Lysias and Demosthenes. Two hours attendance. Two hours credit. First semester.

10. **Lyric Poetry**—Selections from the leading Lyric poets. Two hours attendance. Two hours credit. Second semester.

11. **Greek Philosophy**—The Phaedo of Plato. A survey of Greek Philosophy. Two hours attendance. Two hours credit. First semester.

12. **Lucian**—Selected dialogs. An outline history of Greek Literature from Homer to the second century A. D. Two hours attendance. Two hours credit. Second semester.

13. **New Testament Greek**—Selection from the Gospels. Two hours attendance. Two hours credit. First semester.

14. **New Testament Greek**—19 continued. Pauline Epistles. Second semester.

Greek History and Archaeology

No knowledge of Greek is required in order to pursue the following courses. They are open to all students in any department of the University.

32. **Greek History and Literature**—The salient facts of Greek History. Masterpieces of Greek Literature in English translations. Our heritage from Ancient Greek Civilization in literature, art, philosophy, and politics. Two hours attendance. Two hours credit. First semester.

33. **Greek History and Literature**—32 continued. Second semester.

36. **Greek Archaeology and Antiquities**—Topography, architecture, theatres, temples, social customs, funeral monuments. An itinerary thru Greece with lectures and illustrations from photographs and lantern slides. One hour attendance. One hour credit. First and second semesters.

Sanskrit

The following courses in Sanskrit and comparative philology are open to advanced and graduate students. Altho they are intended primarily for graduate students in either ancient or modern languages, yet they may be profitably pursued by any advanced and aspiring student who desires to secure a broader basis for special study in his chosen linguistic field.

The aim of the work in Sanskrit is to give the student such a knowledge of basic grammatical forms and syntactical structure as to assist him greatly in the comprehension and mastery of similar phenomena in all our European languages.

1. **Beginners' Course**—Inflections and conjugations. Whitney's Sanskrit Grammar and interpretation of an easy text. Two hours attendance. Three hours credit. First semester.

2. **Elementary Sanskrit**—Selected readings from the Nala and the Hitopadeśa as given in Lanman's Sanskrit Reader. Two hours attendance. Three hours credit. Second semester.

3. **Sanskrit**—Selections from the Hitopadeca and the Manava Dharmasāstra. One hour attendance. Two hours credit. First semester.

4. **Sanskrit**—Reading and interpretation of selected hymns of the Rig-Veda. One hour attendance. Two hours credit. Second semester.

Comparative Philology

The courses in comparative philology do not require nor presuppose a knowledge of Sanskrit.

5. **The Elements of Linguistic Science**—Comparative philology of the more familiar divisions of the Indo-European family of languages. Lectures and discussions. One hour attendance. One hour credit. First semester.

6. **The Elements of Linguistic Science**—5 continued. Second semester.

HEBREW

Assistant Professor Alexis (*In Charge of Courses*)

1. **Elementary Hebrew**—The reading of Genesis, with a study of the grammatical principles of the language and the acquisition of a vocabulary. Gesenius's Hebrew Grammar, edited by Kautsch. Three or five hours credit. First semester. Alexis

2. **Historical Hebrew**—1 continued. The Books of Samuel, Joshua, and Ruth. Critical translation with a study of Hebrew syntax. Three or five hours credit. Second semester. Alexis

HISTORY

See "American History," "English History" and "European History."

HISTORY AND CRITICISM OF THE FINE ARTS

(See "Fine Arts Courses.")

HOME ECONOMICS

(See "Agricultural Courses")

HORTICULTURE

(See "Agricultural Courses")

JOURNALISM

(See "Rhetoric Courses.")

JURISPRUDENCE AND PUBLIC LAW

Professor Hastings (*Head of Department*), Professor Maxey
GRADUATE WORK

Master of Arts—Complete courses, or major or minor courses, are arranged upon application.

Master of Laws—A candidate for the degree of Master of Laws must have received the degree of Bachelor of Laws from this University or from some approved law school, must complete an additional year's work of at least 16 hours a week in the College of Law or the Graduate College or both, and must present a suitable thesis embodying the result of original investigation and research. Before such student shall be entitled to the degree he must complete all the courses, elective as well as required offered in the College of Law for the degree of Bachelor of Laws.

Jurisprudence

1. **History and System of the Common Law**—General survey of the legal system of English-speaking countries; courts, their organization and jurisdiction. Students taking this course should have had English History. Credited in the College of Law. Two hours attendance. Two hours credit. First semester.

Hastings

[2. **Roman Law**—History and Institutes. Credited in the College of Law. Two hours attendance. Two hours credit. First semester. *Given in 1918-1919 and alternate years.*

Maxey]

3. **Analytical and Historical Jurisprudence**—Introduction to legal theory. Credited in the College of Law. Three hours attendance. Three hours credit. Second semester.

Maxey

Public Law and Diplomacy

1. **American Constitutional Law**—Cases on constitutional law. Credited in the College of Law. Two hours attendance. Two hours credit. First semester. Students taking this course should have had American History.

Hastings

2. **American Constitutional Law**—1 continued. Cases on constitutional law. Prerequisite: Course 1. Credited in the College of Law. Three hours attendance. Three hours credit. Second semester.

Hastings

3. **American Administrative Law I**—Law of public officers; extraordinary legal remedies. Credited in the College of Law. Two hours attendance. Two hours credit. First semester.

Maxey

4. **American Administrative Law II**—3 continued. Taxation. Credited in the College of Law. Two hours attendance. Two hours credit. Second semester.

Maxey

6. **International Law I**—Credited in the College of Law. Three hours attendance. Three hours credit. First semester. Maxey

7. **International Law II**—Advanced course. Specific problems of international law. Credited in the College of Law to students who do not count International Law I. Two hours attendance. Two hours credit. Second semester. Maxey

8. **European Diplomacy**—Two hours attendance. Two hours credit. First semester. Maxey

9. **Comparative Constitutional and Administrative Law**—Comparative study of public law of the United States, England, Canada, and Australia. Two hours attendance. Two hours credit. First semester. *Given in 1918-1919 and alternate years.* Maxey]

10. **American Diplomacy**—[American History 22]. Organization. Main diplomatic controversies. Two hours attendance. Two hours credit. Second semester. Maxey

11. **Seminary on Consular Service**—Admission upon consent of the instructor. Two hours attendance. Two hours credit. Second semester. *Given in 1918-1919 and alternate years.* Maxey]

LAW COURSES

(See "College of Law" on preceding pages of this Catalog)

MATHEMATICS

Professor Candy (*Head of Department*), Professor Engberg, Professor Brenke, Associate Professor Blumberg, Assistant Professor Runge, Assistant Professor Babbitt

GRADUATE WORK

Required Undergraduate Courses—Courses 1, 2a, 3a, 4a and 4b, or courses 1, 2, 3 and 4 or their equivalents are required for all graduate work.

MASTER OF ARTS

Candidates for the degree of M. A. with their major work in Mathematics are required to complete 36 hours of advanced work beyond that described below under "Departmental Major," and in addition to present an acceptable thesis representing the equivalent of not less than 8 credit hours; at least 20 hours of the 36 must be in Mathematics and the rest in Physics, Astronomy and Philosophy.

DOCTOR OF PHILOSOPHY

The candidate must have not only an extended general knowledge of mathematics on the basis of the requirements for the degree of Master

of Arts, but must also devote special attention to some line of modern research, consulting both standard treatises and the various mathematical journals. The results of this work are to be presented and discussed from time to time in the mathematical seminary and finally embodied in a thesis.

LIBRARY FACILITIES

The department has a carefully selected library of about 3,000 volumes, to which the student has free access. The library is kept up-to-date by constant additions of new works in mathematics as they are published. Besides standard treatises in all branches of mathematics it contains the collected works of about 40 eminent mathematicians beginning with Euler.

Some twenty mathematical periodicals are kept on file, including the leading journals in English, French, German and Italian. Complete bound sets of most of these journals are on the shelves.

A good collection of mathematical models is available in the departmental office.

SEMINAR

The instructors and advanced students meet the first and third Wednesday of each month, 4:30 to 6:00 p. m., for the discussion of current literature, the presentation of the results of investigations, and the solutions of assigned problems.

MATHEMATICAL CLUB

Membership is open to students who have completed, with distinction, one year of work in the department, and who are recommended by their instructors. Meetings are held on the second Thursday evening of each month, from 7:30 to 9.

UNDERGRADUATE WORK

Departmental Major and Minor

Courses 1, 8, 2a, and 3a, with a total of 13 credit hours, or their equivalent, are regarded as constituting a minor in Mathematics.

Courses 1, 8, 2a, 3a, 4a, 4b, 20a, and 8 hours electives, with a total of 29 hours are regarded as constituting a major in Mathematics. Students wishing to major in Mathematics and who have only two points entrance credit in Geometry, must make up an additional point or take Math A.

Students majoring in Mathematics should plan their work for the first two years as follows:

First Semester

First Year —Course 1

Second Year—Courses 3a and 20a

Second Semester

Courses 8 and 2a

Courses 4a and 20b

UNIVERSITY TEACHERS' CERTIFICATE

Candidates for this certificate with a minor in Mathematics must complete courses 1, 8, 2a, and 3a; those who wish to be recommended by the department as specially trained teachers of Mathematics must complete the following courses, which shall constitute a "Major in Mathematics for Teachers": Courses 1, 8, 2a, 3a, 4a, 20a, 20b, 21, 9 and 9a, totalling 26 credit hours.

See suggested schedule under "Departmental Major and Minor." See also the announcement of the Graduate School of Education.

COURSES

Course A (Solid Geometry) is open to all students with 4 points entrance credit in Mathematics.

Courses 1, 2, 3, and 4 are primarily for engineers, except that Course 1 is required of students working toward a minor or a major in Mathematics. In special cases Courses 1a and 1b may be substituted for Course 1.

Courses 1a and 1b are primarily for students in the College of Arts and Sciences who do not wish to go beyond the group requirements. See C (7) under Group Requirements for Graduation.

Courses 2a, 3a, 4a, and 4b are primarily for students working toward a minor or major in Mathematics and for students in the sciences who wish to obtain some knowledge of mathematics and its applications.

A. **Solid Geometry**—Prerequisite: Four points high school credit. Three hours attendance. Three hours credit. First semester.

1a. **College Algebra**—Prerequisite: Four points high school credit. Three hours attendance. Three hours credit. First and second semesters.

1b. **Trigonometry**—Prerequisite: Course 1a, or proficiency in Algebra thru logarithms. Three hours attendance. Three hours credit. First and second semesters.

Note—Courses 1a and 1b are primarily for students in the College of Arts and Sciences.

1. **Algebra and Plane Trigonometry**—Five hours attendance. Five hours credit. First and second semesters.

2. **Analytical Geometry and Calculus**—Prerequisite: Course 1 or 1b. Five hours attendance. Five hours credit. First and second semesters.

3. **Analytical Geometry and Calculus**—2 continued. Five hours attendance. Five hours credit. First and second semesters.

4. **Calculus**—3 continued. Five hours attendance. Five hours credit. First and second semesters.

2a. **Analytical Geometry**—Prerequisite: Course 1 or 1b. Three hours attendance. Three hours credit. Second semester.

- 3a. **Calculus**—Prerequisite: Courses 2a or 2. Three hours attendance. Three hours credit. First semester.
- 4a. **Calculus**—Prerequisite: Course 3a. Three hours attendance. Three hours credit. Second semester.
- 4b. **Calculus**—4a continued. Three hours credit.
5. **Differential Equations**—Prerequisite: Course 4 or 4b. Three hours attendance. Three hours credit. First semester. Candy
6. **Differential Equations**—5 continued. Second semester.
7. **Theory of Probability**—Three hours attendance. Three hours credit. Second semester. Engberg
8. **College Algebra**—Primarily for those intending to teach mathematics. Two hours attendance. Two hours credit. Second semester. Engberg
9. **History of Mathematics**—Primarily for seniors. Two hours attendance. Two hours credit. Second semester. Candy
- 9a. **Mathematical Pedagogy**—The application of the principles of teaching Mathematics in actual class work in the Teachers College Training School. One hour credit. First and second semesters. Hill
10. **Higher Algebra**—Selected topics in Algebra. Two or three hours credit. First semester. Blumberg
11. **Higher Algebra**—10 continued. Second semester.
12. **Theory of Functions**—Three hours attendance. Three hours credit. First semester. Brenke
13. **Theory of Functions**—12 continued. Second semester.
14. **Elliptic Functions**—Three hours attendance. Three hours credit. First semester.
15. **Elliptic Functions**—14 continued. Second semester.
- 16a. **Harmonic Analysis**—Applied to the Partial Differential Equations of Mathematical Physics. Source of these equations. Methods of solution. Theory of Fourier's series. Other series. Three hours attendance. Three hours credit. First semester. Brenke
- 16b. **Harmonic Analysis**—16a continued. Second semester.
17. **Theory of Infinite Series**—Two or three hours credit. Brenke
19. **Theory of Aggregates**—Two or three hours credit. Blumberg
- 20a. **Projective Geometry**—Two or three hours credit. First semester. Blumberg
- 20b. 20a continued. Two or three hours credit.
21. **Foundations of Algebra and Geometry**—Two or three hours credit. Second semester. Blumberg
22. **Advanced Analytical Geometry**—Prerequisite: Course 5. Three hours attendance. Three hours credit. First semester. Candy

23. **Advanced Analytical Geometry**—22 continued. Second semester.
24. **Modern Geometry**—Two hours attendance. Two hours credit. First semester. Blumberg
25. **Modern Geometry**—24 continued. Second semester.
27. **Reading Courses**—Study of selected topics, under the direction of a member of the department.
28. **Differential Geometry**—Two hours attendance. Two hours credit. First semester.
29. **Differential Geometry**—28 continued. Second semester.
30. **Vector Analysis**—Three hours attendance. Three hours credit. First semester. Blumberg
31. **Continuous Groups**—Two or three hours credit. First semester. Brenke
32. **Continuous Groups**—31 continued. Second semester.
33. **Calculus of Variations**—Three hours attendance. Three hours credit. Brenke
34. **Theory of Numbers**—Three hours attendance. Three hours credit. Second semester.
35. **Integral Equations**—Three hours attendance. Three hours credit. First semester. Blumberg
41. **Statistics**—Statistical problems. Interpretation of statistics. This course should be taken in connection with Economics 28. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. First semester. Engberg
42. **Insurance**—Mathematical principles of insurance, especially of life insurance. This course should be taken in connection with Economics 6. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. Second semester. Engberg
43. **Theory of Investments**—Interest, Annuities, Amortization, Valuation of Bonds, etc. Three hours attendance. Three hours credit. Prerequisite: Mathematics 1a. Second semester. Brenke

Biometry

The mathematical theory of evolution. A mathematical analysis of botanical and biological problems. An extended knowledge of mathematics is not necessary, altho of great aid. The work is intended primarily for advanced students in the natural sciences who can apply this work to their researches, but it is open to other students.

45. **A Review of Preliminary Mathematics**—Followed by study of various frequency curves and applications to individual problems. Two hours attendance. Two hours credit. First semester. Engberg

46. A Review of Preliminary Mathematics—45 continued. Studies in error correlations of frequency constants, variation, organic correlation, regression, heredity, spurious correlation and fixture of type. Two hours attendance. Two hours credit. Second semester.

47. Studies in Organic and Fraternal Correlation and Problems in Heredity—One hour attendance. One to three hours credit. First semester.

Engberg

48. Studies in Organic and Fraternal Correlation and Problems in Heredity—47 continued. Second semester.

MECHANICAL ENGINEERING

(See "Engineering Courses")

MEDICAL COURSES

(See "College of Medicine" on preceding pages of this Catalog)

MILITARY SCIENCE AND TACTICS

Colonel H. L. Roberts, U. S. Army, Retired, Commandant (*Head of Department*), Ord. Sgt. W. J. Allen, U. S. Army, Retired, Assistant Commandant

Under the provisions of the National Defense Act of June 3, 1916, there has been established at the University an infantry unit, senior division, of the Reserve Officers' Training Corps.

Act of June, 3 1916. Sec. 40. The Reserve Officers' Training Corps. The President is hereby authorized to establish and maintain in civil educational institutions a Reserve Officers' Training Corps, which shall consist of a senior division organized at universities and colleges requiring four years of collegiate study for a degree, including State universities and those State institutions that are required to provide instruction in military tactics under the provisions of the act of Congress of July 2, 1862, donating lands for the establishment of colleges where the leading object shall be practical instruction in agriculture and the mechanic arts, including military tactics, and a junior division organized at all other public or private educational institutions, except that units of the senior division may be organized at those essentially military schools which do not confer an academic degree but which, as a result of the annual inspection of such institutions by the War Department, are specially designated by the Secretary of War as qualified for units of the senior division, and each division shall consist of units of the several arms or corps in such number and of such strength as the President may prescribe.

The primary object of establishing units of the Reserve Officers' Training Corps is to qualify, by systematic and standard methods of

training, students at civil educational institutions for reserve officers. The system of instruction herein prescribed presents to these students a standardized measure of that military training which is necessary in order to prepare them to perform intelligently the duties of commissioned officers in the military forces of the United States, and it enables them to be thus trained with the least practicable interference with their civil careers.

Under the above quoted sections, all graduates of the Reserve Officers' Training Corps are eligible for commissions as second lieutenants in the Officers' Reserve Corps and appointment as temporary second lieutenants in the Regular Army; those who desire to undergo the six months' period of training are required to make timely application for this appointment. The object of the six months' training with the Regular Army is to acquaint the reserve officer with service in the Regular Army and to enable the Government to ascertain his qualifications for future promotion by thus providing a probationary period of training under the immediate supervision of officers of and with units of the Regular Army.

COURSE OF TRAINING FOR INFANTRY UNITS OF THE SENIOR DIVISION

1. Military art.

Three hours a week (counting 14 units). One hour credit.

(a) Practical. Weight 10.

Physical drill (Manual of Physical Training—Koehler); Infantry drill (U. S. Infantry Drill Regulations), to include the School of the Soldier, Squad and Company, close and extended order. Preliminary instruction sighting position and aiming drills, gallery practice, nomenclature and care of rifle and equipment.

(b) Theoretical. Weight 4:

Theory of target practice, individual and collective (use of landscape targets made up by U. S. Military Disciplinary Barracks, Fort Leavenworth, Kans.); military organization (Tables of Organization); map reading; service of security; personal hygiene.

2. Military art.

Three hours a week (counting 14 units). One hour credit.

(a) Practical. Weight 10.

Physical drill (Manual of Physical Training—Koehler); Infantry drill (U. S. Infantry Drill Regulations), to include School of Battalion, special attention devoted to fire direction and control; ceremonies; manuals (Part V, Infantry

Drill Regulations); bayonet combat; intrenchments (584-595, Infantry Drill Regulations); first-aid instructions; range and gallery practice.

(b) Theoretical. Weight 4.

Lectures, general military policy as shown by military history of United States and military obligations of citizenship; service of information; combat (to be illustrated by small tactical exercises); United States Infantry Drill Regulations, to include School of Company; camp sanitation for small commands.

3. Military art.

Three hours a week (counting 14 units). One hour credit.

(a) Practical. Weight 10.

The same as course 2 (a). Combat firing, if practicable, but collective firing should be attempted in indoor ranges by devices now in vogue at United States Disciplinary Barracks.

(b) Theoretical. Weight 4.

United States Infantry Drill Regulations, to include School of Battalion and Combat (350-622); Small-Arms Firing Regulations; lectures as in (b) course 2; map reading; camp sanitation and camping expedients.

4. Military art.

Three hours a week (counting 14 units). One hour credit.

(a) Practical. Weight 10.

The same as course 2 (a); signaling; semaphore and flag; first-aid. Work with sand table by constructing to scale intrenchments, field works, obstacles, bridges, etc. Comparison of ground forms (constructed to scale) with terrain as represented on map; range practice.

(b) Theoretical. Weight 4.

Lectures, military history (recent); service of information and security (illustrated by small tactical problems in patrolling, advance guards, rear guards, flank guards, trench and mine warfare, orders, messages, and camping expedients); marches and camps (Field Service Regulations and Infantry Drill Regulations).

5. Military art.

Five hours a week (counting 24 units). Two hours credit.

(a) Practical. Weight 13.

Duties consistent with the rank as cadet officers or noncommissioned officers in connection with the practical work, and exercises laid down for the unit or units. Military sketching.

(b) Theoretical. Weight 11.

Minor tactics; field orders (studies in minor tactics, United States School of the Line); maneuvers. Weight 8.

Company administration, general principles (papers and returns). Weight 1.

Military history. Weight 2.

6. Military art.

Five hours a week (counting 24 units). Two hours credit.

(a) Practical. Weight 13.

Same as (a) course 5. Military sketching.

(b) Theoretical. Weight 11.

Minor tactics (continued); map maneuvers. Weight 8.

Elements of international law. Weight 2.

Property accountability; method of obtaining supplies and equipment (Army Regulations). Weight 1.

7. Military art.

Five hours a week (counting 24 units). Two hours credit.

(a) Practical. Weight 13.

Duties consistent with rank as cadet officers or noncommissioned officers in connection with the practical work and exercises scheduled for the unit or units. Military sketching.

(b) Theoretical. Weight 11.

Tactical problems, small forces, all arms combined; map maneuvers, court-martial proceedings. (Manual for Courts-martial.)

International relations of America, from discovery to present day; gradual growth of principles of international law embodied in American diplomacy, legislation, and treaties.

Lectures: Psychology of war and kindred subjects.

General principles of strategy only, planned to show the intimate relationship between the statesman and the soldier (not to exceed five lectures).

8. Military art.

Five hours a week (counting 24 units). Two hours credit.

(a) Practical. Weight 13.

Same as course 7 (a).

(b) Theoretical. Weight 11.

Tactical problems (continued), map maneuvers. Rifle in war.

BASIC COURSE

Freshman year, courses 1 and 2 (28 units). Two hours credit.

Sophomore year, courses 3 and 4 (28 units). Two hours credit.

ADVANCED COURSE

Junior year, courses 5 and 6 (48 units). Four hours credit.
Senior year, courses 7 and 8 (48 units). Four hours credit.

MUSIC

(See "Fine Arts Courses.")

PHARMACOLOGY

(See "Physiology and Pharmacology.")

PHARMACY COURSES

(See "College of Pharmacy" on preceding pages of this Catalog)

PHILOSOPHY

Professor Wolfe (*Head of Department*), Professor Alexander, Professor Hinman, Associate Professor Hyde, Miss Anderson, Miss Burkart, Miss Rummons, Mr. Weber

The primary aim of work in Philosophy is to serve as an organizing discipline in a general education, and to correct the narrowness often incident to specialization. It is an efficient means for the development of breadth, balance, culture, and maturity. It lies nearer today than ever before, probably, to the various sciences, social, historical, biological, and physical, on the one hand, and to the requirements of practical life on the other. Students seeking to make this use of Philosophy may begin with either course 1, course 3, or course 4 as early as the first semester of the sophomore year, and should carry a course each semester thereafter, the complete program including both Psychology and General Philosophy. Third and fourth year students may also begin their work in Philosophy with any one of the following courses: 21, 30, 51. After the first introductory semester, courses from all subgroups within the department are equally open to the student.

Another very important aim of the department is to aid in the professional training of teachers. Those who wish to secure the University Teachers' Certificate must take courses 1 and 2 in Elementary Psychology.

GRADUATE WORK

The department as now organized has full professors representing each main division of the subject. It is well supplied with library and laboratory facilities, and is enabled to offer ample facilities for graduate work.

Major or minor courses for advanced degrees are arranged for in Psychology, in Aesthetics, in Ethics, in Logic and Metaphysics, and in History of Philosophy. No special statement of the number of hours required either for the degree of Master of Arts or that of Doctor of Philosophy need be made. Courses are outlined for each individual case in conformity with the general regulations laid down by the Graduate Faculty. Owing to the nature of philosophy as a fundamental discipline in touch with all sciences, graduate students pursuing majors in other specialties will often find a minor in Philosophy of large value.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Elementary Psychology**—A general introductory course, including the elements of descriptive, physiological, and experimental psychology. Designed for students who desire more than one semester in psychology. A good foundation is laid in two semesters for further studies in psychology, philosophy or education. Botany 1 and 2 or Zoology 3 and 4 should precede or accompany this course. Not open to first year students. Required for the Teachers' Certificate. Three hours attendance. Two hours laboratory. Three hours credit. First semester. Wolfe, Hyde

2. **Elementary Psychology**—1 continued. Second semester.

3. **Elementary Psychology**—A briefer course in general psychology for students wishing the minimum requirement in this field. Not open to first year students. Three hours attendance. Two hours laboratory. Three hours credit. Second semester. Hyde

4. **Logic, Deductive and Inductive**—Practice in logical analysis, the use of syllogism and inductive methods, and detection of fallacies. Three hours attendance. Three hours credit. First and second semesters. Hinman

8. **Biblical Literature**—Lectures on the history and literature of the ancient Hebrews. Two hours attendance. Two hours credit. Second semester. Alexander

I. Psychology

11. **Experimental Psychology**—Chiefly laboratory work. The student learns to manipulate all standard apparatus, and becomes somewhat familiar with present laboratory problems. Methods of investigation and of dealing with data are considered. In the second semester about half of the time is devoted to intensive investigation of some problem begun early in the year. Two hours credit. First semester. Wolfe

12. **Experimental Psychology**—11 continued. Second semester.

13. **Genetic Psychology**—A comparative study of the animal mind. Readings and discussions on the methods of investigation, material accumulated, and conclusions reached. Beginning with the lowest animals, evidences of intelligence are sought in several representative groups. Effort is made to realize the resemblances and differences between the mind of the higher animals and that of man. Two hours attendance. Two hours credit. First semester. Wolfe

14. **Genetic Psychology**—A study of the child mind in development. Essentially a course in the evolution of the individual. The class surveys the material of "child study" on infancy, childhood, and adolescence, reviews normal psychology, and studies old age. A few weeks are given to certain typical forms of abnormal mind, arrested development and genius. Two hours attendance. Two hours credit. Second semester. Wolfe

16. **Educational Psychology**—A practical study of the factors which influence the development of body and mind. May be applied on required hours in education. Attention will be given to recent studies on the learning process, the methods of mental testing and the interpretation of results, especially in cases of retardation and acceleration. Two hours attendance. Two hours credit. Second semester. Wolfe

[17. **Suggestion and Psychotherapy**—A survey of the psychology and psycho-pathology of suggestion and allied phenomena. Entrance by permission of instructor. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Alexander]

18. **Psychology and Efficiency**—The application of the facts and theories of modern psychology to the everyday affairs of present society. About one-half of each student's time will be devoted to the general principles underlying all successful living and the other half of the time will given to a study of his own chosen field. It is expected that each student will select some line of activity in which he may possibly engage. Especial attention will be given to medicine, law, ministry, social service, general business, salesmanship, advertising. Two hours attendance. Two hours credit. Second semester. Wolfe

II. Ethics

21. **Elementary Ethics**—A study of the fundamental principles of morals carried out in the light both of the great historic philosophies of life and also of such modern sciences as biology, psychology and sociology. Two hours attendance. Two or three hours credit. First semester. Hinman

22. **Practical Ethics**—An analysis of many of the main problems of individual and social conduct, aiming to trace the bearing of sound ethical principles upon everyday life. Normally a continuation of

course 21 but may be taken also without it. Two hours attendance. Two or three hours credit. Second semester.. Hinman

[23. **Ethical Theory**—The object of this course, running for two years, is the intensive study of dominant types of modern ethical systems. Each semester a section of the history of recent ethical debate is chosen for study, and the relevant classical works are analyzed. During 1919-1920 the development of intuitionism, utilitarianism, and idealism will be examined, involving familiarity with the writings of Martineau, Bentham, Mill, Sidgwick, Kant, Green, Bradley and Taylor. Two hours attendance. Two hours credit. First semester. Hinman]

[24. **Ethical Theory**—23 continued. Second semester.]

25. **Ethical Theory**—During 1918-1919 the object of study will be the evolution of man's moral nature and conduct, and the evolutionary theory of ethics. The relation of this theory to utilitarianism and to idealism will be developed, and attention given to the writings of Darwin, Spencer, Stephen, Sutherland, Westermarck, Alexander, Wundt, and Hobhouse. Two hours attendance. Two hours credit. First semester. Hinman

26. **Ethical Theory**—25 continued. Second semester.

III. Metaphysics and Philosophy of Science

30. **Introduction to Philosophy**—Develops the philosophical conception of Reality as Mind; and applies it in some detail to the interpretation of the system of the sciences. Deals with such ruling ideas as those of matter, force, life, heredity, evolution, purpose, mind, reason. God. Designed to meet the needs of the scientific and general student, and to serve also as a preparation for further work in philosophy. Lectures. Three hours attendance. Three hours credit. First and second semesters. Hinman

30a. **Philosophical Themes**—Students who have taken or are taking course 30 may mature themselves in this subject and secure additional credit by preparing papers in connection with assigned topics, and carrying out the library work which these involve. No further class attendance. One to three hours credit. Hinman

33. **Advanced Metaphysics**—A systematic study of contemporary metaphysical thought, based upon an analysis of the debate between the absolute idealists and their recent critics. May be carried profitably by the student who has completed course 30. Two hours attendance. Two hours credit. First semester. Hinman

34. **Advanced Metaphysics**—33 continued. Second semester.

37. **Logic of Science**—Deals with the nature of conception, judgment and inference, with reference both to general philosophical results and to the methodology of science. Two hours attendance. Two hours credit. First semester. Hinman

38. **Logic of Science**—37 continued. Second semester.

IV. Aesthetics

41. **Philosophy of Criticism**—Origin and development of the different types of artistic expression; the formation and significance of art traditions. Two hours attendance. Two hours credit. First semester.

Alexander

42. **Philosophy of Criticism**—41 continued. History of aesthetic criticism. Aristotle's *Poetics*, Longinus' *On the Sublime*, and other treatises, are read in English. (Course 41 not necessarily prerequisite). Two hours attendance. Two hours credit. Second semester.

Alexander

43. **History of Culture**—Historical phases of the conception of culture: Graeco-Roman ideal of enlightened living. Plato's *Republic*. Three hours attendance. Three hours credit.

Alexander

44. **History of Culture**—The culture of medieval times and of the Italian Renaissance; the 18th century Enlightenment and humanitarianism; humanism of today. Three hours attendance. Three hours credit. Second semester.

Alexander

V. History of Philosophy

51. **History of Philosophy**—Survey of the principal philosophical systems in their development and relation to the political and social conditions of their times. Three hours attendance. Three hours credit. First semester.

Alexander

52. **History of Philosophy**—51 continued. Second semester.

53. **Greek and Medieval Philosophy**—Special studies in the history of philosophy for advanced students. One session weekly. Two hours credit. First semester.

Alexander

54. **Greek and Medieval Philosophy**—53 continued. Second semester.

55. **Advanced German Reading**—Some philosophical or psychological work will be read in German. The purpose is to acquaint students in this department with the technical German vocabulary peculiar to his line of work and to help him to think in German as he reads. Two hours attendance. Two hours credit. First semester.

Hyde

56. **Modern German Philosophy**—55 continued. Second semester.

57. **German Idealism**—Kant and Hegel. First semester devoted to the Critical philosophy. Brief study of background of Criticism in English Empiricism; careful study of teachings of Kant's three Critiques. Two hours attendance. Two hours credit. First semester.

Hinman

58. **German Idealism**—57 continued. Development of Kantian doctrine in its idealistic phases by his successors briefly traced; culmination of post-Kantian Idealism, studied at length in Hegel's *Smaller Logic*. Second semester. Hinman

57a. **English Empiricism in the Nineteenth Century**—Mill and Spencer. After a brief study of Hume, the development of Empiricism will be traced in the Associational school, and its culminating phases in the philosophical views of John Stuart Mill will be analyzed in detail. Two hours attendance. Two hours credit. First semester. Hinman

58a. **English Empiricism in the Nineteenth Century**—57a continued. Spencer's *Synthetic Philosophy*. Second semester.

VI. History and Philosophy of Religion

60. **Philosophy of Religion**—Nature and meaning of religion and grounds of religious beliefs in view of the rational interpretation of the universe made by modern science and philosophy. Origin and evolution of religion, the psychology of religion, arguments for the existence of God, modern conception of God and Immortality. One hour attendance. One hour credit. Second semester. Hinman

61. **History of Religion Among the Hebrews**—A systematic study of the religious history and literature of Israel, with the aid of the philosophical, scientific, and literary auxiliaries now available. The course will be open to students who have not had previous philosophical work; for the best results, however, it should be either preceded, accompanied, or followed by the introduction to philosophy (course 30). Lectures and readings. Two hours attendance. Two hours credit. First semester. Hinman

62. **History of Religion Among the Hebrews**—(Fuller course) 61 continued. Second semester.

63. **Philosophy and Psychology of Religion**—Advanced course. An extensive survey of recent literature primarily in the philosophy of religion and in the psychology of religion so far as this has an immediate bearing upon philosophical issues. Two hours attendance. Two hours credit. First semester. Hinman

64. **Philosophy and Psychology of Religion**—63 continued. Second semester.

PRIMARILY FOR GRADUATES

71. **Psychological Seminary**—The year will be given to the study of some problem, or group of closely allied problems, to be definitely determined by the interests of the members of the seminary. Seniors who have had 1 and 2, and who are taking 11 or 12 may elect this course. Two hours attendance. Two hours credit. First semester.

Wolfe

72. Psychological Seminary—71 continued. Second semester.
73. Ethical Seminary—Study of special problems in ethics. Two hours attendance. Two hours credit. First semester. Hinman
74. Ethical Seminary—73 continued. Second semester.
75. Seminary in Logic and Metaphysics—Two hours attendance. Two hours credit. First semester. Hinman
76. Seminary in Logic and Metaphysics—75 continued. Second semester.

PHYSICAL EDUCATION

Professor Clapp (*Head of Department*), Associate Professor Young,
Instructor Baldwin, Doctor Hansen

GENERAL INFORMATION

The practice courses in physical education are open, as electives, to men. No student may take work in the department without regular registration.

Members of all classes in physical education and of all University athletic teams are required to take a physical examination at the beginning of the college year or at the beginning of the semester in which that training begins.

Unless excused by Director of Women's Gymnasium, all women are required to take physical training four days per week for the first two years.

The general health of all women is carefully looked after by the Director of the Women's Gymnasium and the examining physician for women. Special medical gymnastics is arranged for those whose health does not permit them to take the general class work.

Men are required to wear grey Turner trousers, navy blue sleeveless jerseys and heelless shoes. Women are required to wear uniform gymnasium suits, which should, *under no condition*, be ordered before consulting the instructor.

TEACHERS' CERTIFICATE IN PHYSICAL EDUCATION

The University Certificate in Physical Education is granted to graduates of the University who have satisfied all the special requirements given below and whose work in general, special and professional subjects has been of a high order. Graduates of other universities and colleges of high rank may receive this certificate upon the same terms as graduates of this institution. Students not graduates of this University or of institutions of equal rank, who complete this course, receive statements to that effect and also credit toward a degree for work. Requirements: Rhetoric 1 and 2; Chemistry 1 and 2; Zoology 3 and 4; Human Anatomy, (Zoology 53 and 54); Physiology 1 and 2;

Philosophy 1 and 2; Physical Education (theory) 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 17, 18, 20, 37, 38, 39, 40, 41, 42, 43 and 44 for both men and women (except 5, 43 and 44, which are not required of women); Physical Education (practice) 13, 14, 15, 16, 27, 29, 30, 31, 32, 49 and 50 for men, 21, 22, 23, 24, 33, 34, 35, 36, 45 and 46 for women. Ability to use the common strokes in swimming is also required. The professional work for the certificate should be taken with other undergraduate studies.

Physical Education—Theory

[2. **Physical Diagnosis**—Theory and practice of normal and abnormal physical signs of the thoracic organs. Two hours attendance. Two hours credit. Second semester. *Not offered in 1918-1919.* Clapp]

3. **Anthropometry**—History. Measurements, their statistical and diagnostic value. Practice in taking and recording measurements and in making charts. Laws of human proportion. Average, mean, and ideal types. Analysis and critical inspection of measurements and personal histories for determining fitness for gymnastic work. Two hours attendance. Two hours credit. First semester. Young

4. **Applied Anatomy**—Muscles and their relation to common gymnastic and athletic movements. Presupposes a knowledge of anatomy. Two hours attendance. Two hours credit. Second semester. Young

[5. **General Athletic Training**—Theory of Training for all branches of athletics. Ancient and modern methods compared. Diet, sleep, bathing and rubbing. Treatment of injuries commonly sustained in athletics. One hour attendance. One hour credit. First semester. *Not given in 1918-1919.* Clapp]

7. **Kinesiology**—Aims, varieties and effects of gymnastic movements. Swedish and German methods. Gymnastic terminology. Hygienic, educative and recreative. Two hours attendance. Two hours credit. First semester. Young

8. **Physiology of Bodily Exercise**—Physiological features of training, breathlessness, fatigue and stiffness. Testing respiratory movements and circulation before and after exercises. Two hours attendance. Two hours credit. Second semester. Clapp

9. **Emergencies**—First aid treatment in case of accidents, such as fractures, dislocations, wounds, hemorrhages, poisoning and drowning. Bandaging, nursing, and general care of the sick. Recitations and laboratory. One hour attendance. One hour with laboratory work and one hour of outside reading. One hour credit. Clapp

10. **Medical Gymnastics and Prescription of Exercise**—Corrective gymnastics as applied to abnormal conditions. Special lectures to women on pelvic anatomy. Massage. Theory and practice. Two hours attendance. Two hours credit. Second semester. Young

[11. **History and Literature of Physical Education**—Ancient and modern literature covered by assigned readings, digests, reports, discussions and lectures. One hour attendance. One hour credit. First semester. *Not given in 1918-1919.* Young]

12. **Methods and Equipment of a Department**—Gymnasium and athletic field; construction, equipment, organization, rules and management. One hour attendance. One hour credit. Second semester. Clapp

[17. **General and Swedish Movements of Teaching**—Two hours attendance. Two hours credit. First semester. *Not offered in 1918-1919.* Young]

[18. **German Methods of Teaching**—17 continued. Second semester. *Not offered in 1918-1919.*]

20. **Track Athletics**—The technique of standard track and field events and systematic preparation for indoor and outdoor contests. Practice—Proper form in events mentioned above; and general physical work for training purposes. Two hours theory. Four hours practice and outside readings. Two hours credit. Second semester.

Clapp

37. **Practice in Teaching**—Practical gymnastic and playground teaching experience with University classes and children in Lincoln Public Schools. For Senior Normals only. First semester. Three hours attendance. One hour credit. Clapp, Young

38. **Practice in Teaching**—37 continued. Second semester.

[39. **Playgrounds**—(Consult instructor before registering.) Philosophy of play. Aims and purposes of the playground. Organization, construction, equipment, administration and management. Playground activities—games, festivals, and social work. Lectures, readings, reports and practice. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.* Young]

[40. **Playgrounds**—39 continued. Second semester. *Not given in 1918-1919.*]

41. **Personal Hygiene**—Chemistry of digestion; foods, their sources, digestibility and value; standard diet tables; stimulants and narcotics; respiration and circulation; bathing and clothing; care of the eye; exercise and its effect on the system; sleep and recreation. Lectures and outside reading. Two hours attendance. Two hours credit.

Clapp

42. **Hygiene**—41 continued. Public hygiene and sanitation; infectious and contagious diseases; their transmission and prophylaxis; heating; lighting; ventilation; drainage; plumbing; immediate and final sewage disposal.

43. **Football**—Theory and Practice—Instruction in rudiments of the game, position play, strategy, dieting, training, team play, history and coaching. Two hours lecture. Two hours laboratory. Library readings and written reports. Two hours credit. First semester.

Stewart

44. **Football**—Theory and Practice—43 continued. Second semester.

Physical Education—Practice

MEN—FIRST YEAR

13. **Gymnastics**—(a) Light Gymnastics—Free-hand body building, dumb-bells and wands.

(b) Heavy Gymnastics—Elementary apparatus work and parallel bars, side and long horse, buck, vaulting and horizontal bars and tumbling.

(c) Recreative Gymnastics—Games and contests. Three hours attendance. One hour credit. First semester.

14. **Gymnastics**—13 continued. (a) Light Gymnastics—Continuation of previous semester's work, Indian clubs and elementary gymnastic dancing.

(b) Heavy Gymnastics—Continuation of previous semester's work.

(c) Recreative Gymnastics—Continuation of previous semester's work. Boxing and wrestling. Second semester.

Students who have registered and received credit for course 13 or 14 will not be allowed to re-register for the same course.

MEN—SECOND YEAR

15. **Gymnastics**—Advanced light and heavy gymnastics. Games and contests. Wrestling and fencing. Courses open to men who have completed Physical Education courses 13 and 14 or their equivalent. Three hours attendance. One hour credit. First semester. Clapp

16. **Gymnastics**—15 continued. Second semester.

27. **Wrestling**—Demonstration and practice of the various common holds and breaks. Starts with the fundamentals. Class will progress toward advanced wrestling as fast as the ability of the members will permit. First semester. Three hours attendance. One hour credit.

31. **Leaders' Class**—Members must be proficient in all forms of gymnastics. Consult instructor before registering. One hour credit. First semester. Clapp

32. **Leaders' Class**—31 continued. Second semester.

WOMEN—FIRST YEAR

21. **Light Gymnastics**—Swedish gymnastics. Correction of improper walking and standing positions. Elementary dancing and

gymnastic games. Lectures in personal hygiene. Four half-hours or three three-fourths hours attendance. One hour credit. First semester.

22. **Light Gymnastics**—21 continued. Elementary work on balance beams, spring boards, stall bars, booms, ropes, etc. Four half-hours attendance. One hour credit. Second semester.

WOMEN—SECOND YEAR

23. **Light Gymnastics**—Military marching. German gymnastics, dumb-bells, wands, and Indian clubs. Elementary exercises on horse, parallel bars, flying rings and buck. Athletic and gymnastic games. Folk dancing. Four half-hours or three three-fourths hours attendance. One hour credit. First semester. Baldwin

24. **Light Gymnastics**—23 continued. Four half-hours attendance. One hour credit. Second semester.

25. **Aesthetic Dancing**—(Open only to juniors and seniors who have completed courses 21, 22, 23, 24.) Three hours attendance. One hour credit. First semester. Baldwin

26. **Aesthetic Dancing**—25 continued.. Second semester.

29. **Advanced Heavy Gymnastics**—Open only to those who have attained proficiency in heavy gymnastics. Three hours attendance. One hour credit. First semester. Clapp

30. **Advanced Heavy Gymnastics**—29 continued. Second semester.

33a. **Gymnastics**—Advanced light and heavy Swedish gymnastics. Exercises on stall bars, boom, parallel bars, ropes, poles, etc. Swedish song-games, folk and aesthetic dancing. Field hockey, soccer football, indoor baseball, tennis and basketball. Five hours attendance. One hour credit. Course required two years. Young, Baldwin

34. **Gymnastics**—33a continued. Advanced light German gymnastics with dumb-bells, wands and Indian clubs. Advanced apparatus work on horse, parallel bars, flying and traveling rings, spring board, buck, etc. Fencing. Six hours attendance. Two hours credit.

35. **Aesthetic Dancing**—(For first year Physical Education Normal students, and Fine Arts students who have completed courses 21 and 22)—Practice in the technique of aesthetic dancing. Classical, oriental and national dances. Rhythmic interpretation of classical music. Two hour periods per week with outside notebook work. One hour credit. Baldwin

36. **Aesthetic Dancing**—35 continued. Second semester.

45. **Games and Sports**—A normal course in the theory and practice of the more common outdoor and indoor team games, and sports

for women, such as soccer, football, field hockey, tennis, basketball, indoor baseball, volley ball, etc. Two hours attendance with outside notebook work. One hour credit. First semester. Young

46. Course 45 continued. Second semester.

47. **Games and Sports** (for juniors and seniors who have completed Physical Education number 21, 22, 23 and 24). The object of the course is to provide attractive and beneficial physical exercises and recreation for those upperclass women who have completed the required floor courses in Physical Education. Soccer football, field hockey, indoor baseball, basketball, volley ball, tennis, etc. Four one-half hour or three three-fourths hour periods of attendance. One hour credit. First semester.

48. Course 47 continued. Second semester.

49. **Normal Floor Gymnastics** (for Physical Education Normal Men only). Normal instruction in (a) light gymnastics, consisting of calisthenics, dumb-bells, wands, Indian clubs, bar-bells, etc. (b) Heavy gymnastics—progressive, simple and advanced apparatus work on horizontal and parallel bars, side and long horse, buck, flying and traveling rings, ropes, ladders, mats, etc. (c) Class and individual foil fencing, fancy club swinging and pyramids. Two hour attendance with outside notebook work. One hour credit. First semester.

Clapp

50. Course 49 continued. Second semester.

PHYSICS

Professor Skinner (*Head of Department*), Professor Moore, Professor Almy, Professor Tuckerman, Assistant Professor Tool, Mr. Spencer

Two distinct series of general courses are offered in physics to undergraduates. They differ in the requirements for admission and in the thoroughness of the work.

The first series (1, 2, 3, 4) is prescribed for engineering students. It culminates in 5 and 6 for electrical engineering, with, in addition, 7, 8 and 9 for those wishing to prepare for industrial and research physics. It is open to students who have two points entrance credit in physics, or sixty university hours.

The second series (11, 12, 13, 14) is designed for those desiring to study physics from a more purely philosophical—less mathematical—standpoint and in its relation to other sciences and to natural phenomena. It is open to the students of any college who have completed their college entrance requirements. This series leads to 17 and 18 for those taking a major in Physics in the College of Arts and Sciences.

For the University Teachers' Certificate, courses 1, 2, 3, 4 (three hours each), 15 and 16; or 11, 12, 13, 14, 15 and 16 are required for a major in physics. For a minor 15 and 16 may be dropped from the requirements for a major.

GRADUATE WORK

For graduate students instruction is given in both theoretical and experimental physics. Lectures are given in the general theoretical branches and are offered on special topics in which the lecturer is immediately interested.

In theoretical physics courses 21, 22, 23, 24, 25, 26 are given in a sequence of six semesters with four hours lecture weekly, while the others are given as the occasion demands.

For the degree of Master of Arts the candidate may offer simply a major in physics, but is advised to offer also a minor in some related subject. One year of purely graduate study may be sufficient to attain the degree.

For the degree of Doctor of Philosophy three years' work, including a completed research, is required. In addition to the work in physics and mathematics the candidate must offer also a minor in either chemistry, astronomy or philosophy.

General Physics

COURSES PRIMARILY FOR UNDERGRADUATES

1. General Physics—Mechanics of solids and fluids. Two hours lecture with illustrative experiments and one recitation. Three hours laboratory. Three hours credit. First semester.

Almy, Gish, Spencer

2. General Physics—Heat and sound. As in 1. Second semester.

3. General Physics—Electricity. This course extends into the second semester. Two hours lecture with illustrative experiments. Three hours laboratory. Two or three hours credit. First semester.

Almy, Moore, Spencer

4. General Physics—Electricity and light. Prerequisite: Course 3. As in 3. Second semester.

5. Problems in Electricity—(Taken with course 4, but not preceding it.) Two hours attendance. Two hours credit. Second semester.

Tuckerman

6. Electrical Measurements—Prerequisite: Courses 3 and 5. Eight hours laboratory. Three hours credit. First semester.

Tuckerman

8. **Industrial Thermometry**—Temperature measurements as applied in manufacturies and research laboratories, with special attention to pyrometry. Measurement and control of oven, furnace, ingot and ladle temperatures. Designed to give a working knowledge of modern methods for the measurement of thermal constants at all temperatures. One hour lecture. Six hours laboratory. Three hours credit. Second semester. Tuckerman

9. **Industrial Optics**—Optical measurements as applied in manufacturies and research laboratories. Theory of lenses with applications: Photometry; Spectrometry; Interferometry; and Polarimetry. Two hours lecture. Eight hours laboratory. Four hours credit. First semester. Tool

10. **Photography**—Theory and practice of photography. Adaptation of lens systems to the various photographic needs; portrait, landscape, architectural, spectro and microphotography, photo-engraving, etc. Study of the processes involved in exposure, development, printing, etc. Sensitometry and actinometry as applied to ordinary and color photography. Two hours lecture. Eight hours laboratory. Four hours-credit. Skinner

11. **Arts Course in General Physics**—Mechanics, sound and heat. For the nature of this course and conditions for admission see above. Three hours lecture with illustrative experiments. Three hours laboratory. Three hours credit. First semester. Skinner, Tool, Spencer

12. **Arts Course in General Physics**—Electricity and light. Pre-requisite: Course 11. A continuation of 11. Three hours credit. Second semester.

13. **Advanced Physics for Arts Students**—The physical properties of the molecule, the ion and the electron. Deals with the simple kinetic theory of gases, osmotic pressures, the laws of solution, electrolytic dissociation and conductivity, and the electron theory as applied to the simpler phenomena of electric conduction in gases. Three hours lecture. Three hours laboratory. Three hours credit. First semester. Skinner, Tool

14. **Advanced Physics for Arts Students**—Geometrical and physical optics. A study of the optical principles of various important optical instruments, and the application of these instruments in studying the physical nature of light. Three hours lecture. Three hours laboratory. Three hours credit. Second semester. Skinner, Tool

15. **Teachers' Special Methods in Physics**—Discussion of methods and procedure in teaching high school physics. Guiding principles in the selections and adaptation of subject-matter and laboratory exercises. Choice of apparatus and supplies. Equipment and efficient administration of the laboratory. Difficulties of physics teaching in

high schools generally. Such understanding and organization in the teaching procedure as may reasonably assure successful teaching service from the outset. Prerequisite: Courses 1, 2, 3, 4, or 11, 12, 13, 14. Two hours attendance. Three hours laboratory. Two hours credit. First semester. Brownell

15b. **Teachers' General Course in Physics**—The selection and working of experiments to constitute a year's course in high schools—qualitative and quantitative for both laboratory and lecture table. Organization of the subject-matter to be taught in connection with such experiments. Parts of the subject presenting special teaching difficulties in high school work given careful exposition. The laboratory work a series of exercises fundamental in the teaching process. Three hours attendance. Three hours laboratory. Three hours credit. Second semester. Brownell

16. **Teachers' Laboratory Course in Physics**—A semester of teaching of classes in high school physics under closest critical supervision. Involves (a) class management, preparation for class instruction, making of lesson plans, review of examination papers, provision for desk experiments; (b) direction of the laboratory work of sections of high school physics classes, with care of the laboratory and its supplies, preparation in advance for the experimental work, assistance to pupils at the tables, and review of laboratory papers handed in. To follow or in connection with Physics 15, or 15b. Two hours conference. Five hours laboratory, or five hours teaching. One, two or three hours credit. First and second semesters. Brownell

17. **Exact Physical Measurements**—In heat, the determination of freezing and boiling points; in electro-chemistry, the study of electrolysis, conductivities, electromotive forces and electrolytic polarization; in optics, the use of the spectroscope, diffraction grating, interferometer, polariscope and accessories. Open to students who are taking special work in physics, chemistry, or astronomy—the experiments being selected to fit the demands of their specialty. One hour reading. Six hours laboratory. Three hours credit. First semester. Moore

18. **Exact Physical Measurements**—As in 17. Second semester.

FOR UNDERGRADUATES AND GRADUATES

19. **Advanced Experimental Physics**—Exact determination of physical constants, requiring a careful duplication of some classic experiments in physics, in which a single experiment is expected to cover a period of about one semester, or an introduction to research. Fifteen hours laboratory. Five hours credit. First semester. Moore

20. **Advanced Experimental Physics**—As in 19. Second semester.

PRIMARILY FOR GRADUATES

31. **Research**—Original investigation of some problem in physics. No time limit imposed. Less than fifteen hours a week is not advisable.

Skinner, Moore, Tool

Theoretical Physics

21. **Dynamics of Discrete Particles**—Formal development of the general principles of mechanics: D'Alembert's Principle; Gauss' Principle of Least Constraint; Hamilton's Principle of Least Action; La Grange's Equations; Hamilton's Canonical Equations; applications to special problems. Four hours lecture. Four hours credit. First semester.

Tuckerman

22. **Elasticity and Hydrodynamics**—Elasticity; deformations of homogeneous media, isotropic and crystalline; vibrations of isotropic media; applications to special problems. Hydrodynamics: irrotational and vortex motions; scalar and vector potentials; application to mechanical theories of electromagnetic phenomena. Four hours lecture. Four hours credit.

Tuckerman

23. **Electricity and Magnetism**—The fundamental equations of Maxwell, applied to the theory of Static, Stationary, Quasistationary, and Kinetic Electromagnetic field. A short outline of Vector Analysis and Quaternions (Hamiltonian and Continental Notations) is given as an introduction. Four hours attendance. Four hours credit. First semester.

Tuckerman

24. **Electro-Optics**—Electromagnetic oscillations and their application to the theory of light. 23 continued. Second semester.

Tuckerman

25. **Thermodynamics**—The classical theory of thermodynamics and its application to certain types of physical and chemical phenomena, including heat radiation. The course concludes with a brief comparison of the classical theory with the modern statistical theories. Four hours lecture. Four hours credit. Second semester.

Tuckerman

26. **Heat Radiation and Quantum Theory**—The statistical interpretation of the entropy principles and its application to Heat Radiation, leading to the introduction of Planck's "quantum." The Quantum Theory as a guiding principle in modern investigation. Four hours lecture. Four hours credit.

Tuckerman

29. **Thermo- and Electro-Chemistry**—Three hours credit. One semester.

Moore

30-31. **Theory of Changes of Physical State and Chemical Constitution of Bodies**—Two hours credit. First and second semesters.

Moore

32. **Electric Conduction in Gases**—Ionization; ionic velocities; cathode rays; radioactivity; electron theory. Two hours credit. One semester. Tool

Physical Colloquium—Instructors and graduate students meet weekly for presentation of short papers on the progress of their investigations and those reported in current periodicals.

PHYSIOLOGY AND PHARMACOLOGY¹

Professor Lyman (*Head of Department*), Assistant Professor Day,
Mr. Thompson, Miss Redford, Mrs. Westermann, Doctor Webb,
Doctor Stevens, Doctor Breuer, Miss Nelson

Graduate work in physiology and pharmacology is open to those students who have completed courses 1 and 2 or 3 as described below and who have had sufficient training in related branches and in the languages. Work leading to the degrees of Master of Arts and Doctor of Philosophy must be research of such a type as to merit publication in the standard journals. The time necessary in each case is that required by the Graduate College. Candidates will consult with the head of the department before registering.

COURSES PRIMARILY FOR UNDERGRADUATES

A. General Physiology for Teachers—The object of this course is to give a systematic presentation of that part of physiology which should be presented pupils of grade and high school age and to prepare teachers for certification. Physiology as it is usually taught in the public schools is an uninteresting subject both to pupils and instructor largely because of lack of preparation on the part of the teacher. The work of one grade is but a repetition of the preceding one and the work of the high school is a repetition of that of the grammar grades. It is the intention of this course to present the subject in such a way as to make grade and high school work follow in the proper sequence and to make it possible for students to apply the principles of physiology to the practical problems of life. In the laboratory such experiments will be performed as can be used to advantage for demonstration purposes and for individual work. Two hours lecture. Three hours laboratory. Two hours credit. Summer sessions. Lyman, Day

1. General Animal Physiology—A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses, and re-

¹For advanced courses in Pharmacology and Physiological Assaying see "College of Pharmacy."

production. A combined lecture, demonstration, and laboratory course. Three hours attendance. Four hours laboratory. Three hours credit. First semester and the Summer Session. Lyman, Day, Thompson

2. **General Animal Physiology**—1 continued. Three hours attendance. Four hours laboratory. Three hours credit. Second semester and the Summer Session.

3. **Advanced Human Physiology**—The physiology of the central and the peripheral nervous systems, and the organs of special sense. Three hours attendance. Four hours laboratory. Three hours credit. First semester. Lyman

4. **Sex Hygiene**—This course is intended primarily for women who expect to become home builders, but is just as valuable for teachers and social workers. The more important subjects considered are the anatomy, physiology and hygiene of the reproductive organs; the method of presentation to students of grade and high school age. The physiological and sociological importance of venereal diseases, methods of infection, their relation to alcoholism and the importance of religion in sex education. Two hours attendance. Two hours laboratory. Two hours credit. Second semester for men. First and second semester and the Summer Session for women. Lyman

5. **Physiology of Pregnancy and the Child**—A study of the physiological phenomena of pregnancy and of the child for the first nine months of its life. The course deals with the symptoms of pregnancy, both objective and subjective, the diet, exercise and clothing of the pregnant woman, the preparation for labor, the use and value of anesthetics in labor, "twilight sleep," the care of the mother after labor and thruout the nursing period, the care of the newborn child, methods of feeding, both natural and artificial, the teething period, proper kinds of clothing, the moral instruction of the infant, its relationship to disease in the parents and the general hygiene of the child. For women first and second semesters and the Summer Session. Two hours attendance. Two hours laboratory. Two hours credit. Lyman

6. **Advanced Course for Teachers**—A course in methods for those desiring to teach physiology in high school and college. This course includes a didactic and experimental study of the tobacco, alcoholic and habit producing drug problems. Prerequisite: Courses 1 and 2 required, 3 and 4 recommended. Two hours attendance. Two hours laboratory. Two hours credit. Second semester. Lyman

8. **Pharmacology**—A study of the physiological action, dosage, uses and toxicology of official and non-official drugs and poisons. An experimental study of a typical member of each group of drugs will be made. Special attention is given to the anesthetics, narcotics, gluco-

sides, alkaloids and to the physiological assay of drugs. Three hours attendance. Four hours laboratory. Three hours credit. First semester.

Lyman, Thompson

9. **Pharmacology**—Course 8 continued. Three hours attendance. Four hours laboratory. Three hours credit. Second semester.

Lyman, Thompson

10. **Materia Medica**—A didactic and laboratory study of the origin, natural history, preparations, and methods of using individual drugs. For students of dentistry. Two hours attendance. Two hours laboratory. Two hours credit. Second semester.

Breuer

11. **Medical Problems of the Public School**—A lecture, reading and demonstration course designed primarily for teachers, pre-medical students, and others interested in the subject of public school hygiene. The following subjects are the most important discussed: The growth, physical development and methods of examination of the normal school child. Abnormal children with special emphasis upon defects of vision, hearing, teeth, speech, posture and mind. Diseases of the nervous system. Tuberculosis, its symptoms, treatment, detection, prophylaxis, sequelae, and quarantine regulation of the Exanthemata (measles, scarlet fever, etc.). Duties of the school nurse. Lighting, heating, ventilating and equipping of school building. Methods and apparatus for playgrounds. Methods of carrying on health inspection in rural communities, small towns and large cities. Two hours attendance. Two hours laboratory. Two hours credit. First semester.

Webb

13. **History of Medicine**—The early lectures of this course are given by Dr. Stevens on the duties and responsibilities of the physician; his relation to his fellow practitioners; the evolution of the art of medicine and the various relationships of the profession to society in general. The remaining lectures are given by various physicians from the medical faculty in Omaha. The object of the course is to give the student a comprehensive view of the fields of Medicine. One hour attendance. One hour credit. First semester.

14. **Teachers' Methods in Physiology**—A detailed discussion of methods of presenting the subject in high schools. Selection of text and reference books. Relation of laboratory work to class room instruction. Courses 1 and 2 required. Two hours attendance. Three hours laboratory. Two hours credit. First semester.

Nelson

15. **Teachers' Laboratory Course in Physiology**—A semester of teaching classes in high school physiology under close supervision. Involves (a) class management, preparation of lesson plans, review of examination papers; (b) direction of laboratory classes, preparation

of all experimental work and guidance of pupils in making experiments, and the review of laboratory papers. To follow, or in connection with course 2. Two hours conference. Four hours laboratory, or three hours class instruction. Two or three hours credit. Second semester.

Nelson

19. **Physiological Standardization**—An advanced course in the methods of physiological standardization. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. Second semester.

Lyman, Thompson

20. **Research**—Investigation of some physiological or pharmacological problem which the candidate must select after consultation with the person in charge of the department. First and second semesters.

Lyman

War Emergency Courses for Women

The war is causing a dearth of nurses in this country and there is great need for women trained to take care of the sick in the home and to make surgical dressings. To help supply this need the College of Pharmacy is offering the following courses:

70. **First Aid**—A practical course designed to instruct the student how to care for minor injuries and ailments and how to take care of more serious injuries before the arrival of the doctor. The course deals with the treatment of such conditions as shock, sprains, bruises, dislocations, fractures, bleeding, wounds, dog and cat bites, snake bites, burns, sunstroke, drowning, gas poisoning, frost bite, ear ache, constipation, diarrhea, prickly heat, croup, poisoning by the common plants such as poison ivy, and poisoning from the common chemicals such as carbolic acid, corrosive sublimate, acids, alkalies, etc. Practical instruction is given in bandaging, application of dressings, methods of artificial respiration, etc. Red Cross credit may also be obtained for this course. Two hours lecture and laboratory work. One hour credit. First and second semesters and summer session.

71. **Home Nursing**—How to take care of the sick in her own home should be a part of every woman's education. This course is designed for those young women who cannot take an extensive course in hospital training, and is intended to give the fundamental principles of nursing as is needed to properly care for the sick. At an expense of several hundred dollars a laboratory has been furnished with a complete hospital equipment for the purpose of giving instruction in this subject. Red Cross credit is given for this course. Two hours lecture and laboratory. One hour credit. First and second semesters and summer session.

Westermann, Redford

72. Surgical Dressings—This course is designed to give practical knowledge concerning the preparation, uses, etc., of dressings, binders and bandages used on accidental or operative wounds. Such dressings include standard and special dressings such as now are in constant demand for war service.

While largely practical, the course includes talks on bacteria, their entrance into wounds; essentials to growth; methods employed to destroy them, sepsis; asepsis; antisepsis; antiseptics and disinfectants; methods of sterilization; its effect upon dressings; the importance of cleanliness in the preparation and handling of dressings, etc. Students completing this course and then supplementing it with seventy-two hours of practice work may obtain Red Cross credit and the veil which permits them to have charge of a table in a Red Cross Shop. One hour credit. First and second semesters and summer session. Redford

73. Elementary Dietetics—This is a brief course designed for students wishing to have a working knowledge of foods with the dietetic application. This course deals with a normal dietary in health, care and feeding of the infant, and special dietaries with reference to specific diseases. Red Cross credit is given for this course. Two hours lecture and laboratory. One hour credit. First and second semesters and summer session. Loomis

POLITICAL SCIENCE AND SOCIOLOGY

Professor Howard (*Head of Department*), Professor Webster, Professor Aylsworth, Associate Professor Williams, Assistant Professor Senning, Lecturer Sheldon

UNDERGRADUATE WORK

Courses 1 and 2 are open to all students and are recommended to those intending to teach civil government, or American history, in the schools, being especially adapted in method and matter to their needs.

Teachers' Certificate—Candidates for this certificate may elect the required special work in this department in conjunction with allied subjects. The following courses are suggested: Major—Courses 1, 2, 23, 15, 17, 11, 12; Minor—Courses 1, 2, 23, 15, 35 or 11. Other courses may perhaps be more valuable for particular students. Individual conferences are suggested.

REQUIREMENTS AND FACILITIES FOR GRADUATE WORK

The minimum requirement for the degree of Master of Arts is one full year's work or the equivalent of about thirty class-hours, including a thesis. A candidate may devote his entire time to the work of the department; or he may divide it between a major and a minor. A minor is the equivalent of nine class-hours. The selection of courses is influenced by the character of the thesis.

The minimum requirement for the degree of Doctor of Philosophy is three full years' work, of which about three-fifths, or the equivalent of about sixty class-hours, must be given to the major subject. The remaining two-fifths of the time, or the equivalent of about forty class-hours, must be devoted to a first minor or divided equally between two second minors. The particular courses in the major subject are selected with regard to the character of the thesis and with reference to the candidate's aim and preparation. The thesis must be the result of the sustained investigation of the original materials. Without undergraduate training in thesis-writing or research courses, it is difficult to take either the master's or the doctor's degree in the minimum period. Preferably minors may be selected in the departments of economics, history, or public law; but minors will be accepted in education, philosophy, or other departments, according to the needs of the candidate. In all cases a good knowledge of economics and history is required.

The facilities available for graduate study and research in both political science and sociology are excellent. The libraries of the University, city, state and the State Historical Society afford the student access to an aggregate of about 290,000 volumes. The University Library contains the standard authorities and reference works on institutional history, social science, anthropology, ethnology, Roman law, historical jurisprudence, political economy, philosophy, government, politics, administration and statistics. It is especially strong in public documents and other material, source and secondary, for the investigation of problems in American government and administration. The State Library of 80,000 volumes supplements those of the University and the College of Law. It is one of the best law libraries in the West—rich in materials for a comparative study of government and legislation in the different states. In the Historical Society's collections and the public archives at the state Capitol there is accessible a mine of source material for investigating state and local government and administration in Nebraska. When these resources prove inadequate in special investigations, desired books will be purchased or temporarily borrowed from other libraries.

The location of the University at the state capital gives special opportunities for personal observation and study of the actual problems and practical workings of state and municipal legislation and administration.

The Nebraska Legislative and Municipal Reference Bureau is now by act of the Nebraska legislature of 1911 affiliated with this department. Its library of several thousands books, pamphlets and clippings is on the campus and students are invited to make large use thereof. Several scholarships in research work for this bureau, worth from \$25

upwards, are open to capable students. University credit will be given for approved work under these scholarships.

Many valuable allied courses in economics, history, jurisprudence, and law are to be had in other departments.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **American National Government**—Introductory study of salient features in historical development, political structure, and actual workings of national, state, and local governments as parts of one whole. National government, first semester. Open to all students. Three hours attendance. Three hours credit. First semester.

Aylsworth, Senning

2. **American State Government**—Complement of course 1. May be taken before course 1. State and local government in general is studied. Nebraska is used as an example of both federal and state relations, and state and local government. Open to all students. Three hours attendance. Three hours credit. Second semester.

Aylsworth, Senning

3. **European Governments**—A general survey of the political institutions of selected countries, particularly Great Britain, France, Germany, Switzerland. Constitutional beginnings and growth, governmental organization, present day political parties and issues. Open to juniors, seniors, and those having credit for 1 and 2 or their equivalent. Three hours attendance. Three hours credit. First semester.

Aylsworth

4. **Latin American Governments**—A study of the political institution and the present day politics of the Latin American Republics. Lectures and class discussions. Open to juniors, seniors, and those having credit for 1 and 2, or their equivalent. Three hours attendance. Three hours credit. Second semester.

Senning

5. **Social Origins**—A study of the early life of mankind as revealed in material remains, customs, institutions, and beliefs. A detailed treatment will be made of such subjects as the origin and growth of language, beginnings of writing, history of the alphabet, genesis and development of the arts of life, domestication of animals and plants, primitive science, including the calendar, primitive art, including music and poetry, educational systems and the condition of children, matrimonial institutions and the condition of women, origins of government and the state, secret and non-secret associations, rise of property and monetary systems, primitive trade, slavery, early law, and early morality. Primitive religion, discussed only incidentally in this course, is treated at length in its continuation, course 19. Lectures accompanied by a detailed reference syllabus. Three hours attendance. Three hours credit.

Webster

6. **Social Origins**—5 continued. Second semester.

7. **Modern Social Betterment Movements**—Social settlements and their meaning for social reform; conservation of the public health thru campaigns against infant mortality, tuberculosis, etc.; the fresh air movement and relief measures in great disasters; industrial betterment thru factory legislation, social insurance, and control of housing and recreation facilities; problems of child welfare including child labor, child idleness, juvenile court and other reformatory agencies. Open to all students except freshmen. Three hours attendance. Three hours credit. First semester.

Williams

8. **Poverty and Dependence**—Causes and extent of poverty; various socially defeated classes; principles of prevention and relief; modern agencies, public and private, which care for dependents. Open to all students except freshmen. Three hours attendance. Three hours credit. Second semester.

Williams

FOR UNDERGRADUATES AND GRADUATES

9. **Municipal Government**—Organization of city government in the United States and Europe. Growth of cities, the "home rule" movement, municipal suffrage, initiative and referendum, the council and executive, the municipal administrative system, the commission and city manager plans of city government. Open to juniors, seniors, and those having credit for 1 and 2. Two hours attendance. Two hours credit. First semester.

Aylsworth

10. **Municipal Administration**—Functions of city administration in the United States and Europe. Origin and expansion of municipal functions, tendency toward municipal socialism, activities and problems connected with public health and safety, charities, education, recreation, public works, transportation, the "city beautiful," municipal ownership of public utilities, etc. Open to juniors, seniors, and those having credit for 1 and 2. Two hours attendance. Two hours credit. Second semester.

Aylsworth

11. **Party Government**—Organization and working of political parties in the United States. Growth of party system; the caucus and convention; the direct primary; the party committee "machine" and "boss"; legal control and responsibility of parties; campaign funds; origin and influence of third parties; relation of the "merit system," the initiative, referendum, recall and "short ballot" to party government; party control of legislation and administration. Lectures, readings and reports. Open to juniors, seniors, and students having credit for 1 and 2 or their equivalent. Three hours attendance. Three hours credit. First semester.

Aylsworth

14. **The Legal and Political Position of Women**—A general survey of the "woman's rights" movement, and a study of the actual legal

and political rights of women especially in the United States. Open to juniors, seniors, and those having credit for 1 and 2 or their equivalent. Two hours attendance. Two hours credit. Second semester.

Aylsworth

15. **General Sociology**—Principles of social science. For third and fourth year students and graduates. Three hours attendance. Three hours credit. First semester.

Howard

17. **Problems in Social Psychology and Ethics**—Chief psychic factors in social evolution. Laws of suggestion, mob-mind, and imitation; "craze," "fad," and sect; fashion, conventionality, custom, and tradition; leadership, genius, hero-worship, rôle of great men; social conflict, compromise, discussion, free speech, free press, public opinion; social sins, standards of private and social ethics. Theories of Le Bon, Tarde, Sidis, Ward, and Ross. For third year and more advanced students. Two hours attendance. Two hours credit. First semester.

Howard

19. **Primitive Religion**—An anthropological and sociological investigation, from the comparative standpoint, of the evolution of religious beliefs and rites. The subjects naturally treated in such a course are animism, or notions of the soul, the future life, and the other world, fetishism, idolatry, worship of natural objects, animals, and plants, totemism, ancestor-worship, the cult of the dead and demonism, genesis and development of the idea of God, including polytheism, dualism, and monotheism, magic, together with divination and exorcism, taboo and ritual of purification, origin and diffusion of myths, sacrifice and prayer, sacred days and festivals, religious mysteries, and priesthoods. Such topics as the classification of religions, connections between religion and morality, factors in the development of religion, etc., receive attention. Lectures accompanied by a reference syllabus. Three hours attendance. Three hours credit. First semester.

Webster

20. **Primitive Religion**—19 continued. Second semester.

21. **Immigration**—General causes and conditions controlling migration; history of immigration to the United States and legislation concerning; American policy compared with the policies of other countries; naturalization laws; economic, political, and social effects of immigration to America; social processes and principles involved, as segregation, stratification, assimilation; remedies needed and agencies at work. Open to third year and more advanced students. Two hours attendance. Two hours credit. First semester.

Williams

22. **Immigration**—Immigrant groups in the United States; sources; causes and dates of immigration; distribution; conventional attitude of Americans toward; influence on American history and social life; problems peculiar to the various nationalities. Foreign elements in Nebraska; their history and influence upon the state. Open to third

year and more advanced students. Two hours attendance. Two hours credit. Second semester. Williams

23. **Socialization of Education**—A discussion of the sociological aspects of education and of the training necessary to prepare the child to meet the social relations of life. Modern movements in the schools looking toward this aim of education including industrial education, vocational guidance, medical inspection, playground movement, vacation schools, and provisions for the care of special classes of pupils. Open to third year and more advanced students. Two hours attendance. Two hours credit. First semester. Williams

24. **Socialization of Religion**—A discussion of the nature and function of religion as an element of the social process, and a comparison of the leading religions as to social content. Demands upon the modern church and its adaptation of architecture and program of activities to meet such; institutional features of church work; social results of missions, especially in foreign lands. Open to third year and more advanced students. Two hours attendance. Two hours credit. Second semester. Williams

25. **The Family**—The history of matrimonial institutions with a study of some of the more important problems, connected with the family life. Open to third year and more advanced students. Three hours attendance. Three hours credit. First semester. Howard

27. **Parliamentary Law and Practice**—Designed to give students training in the rules and practices of deliberative bodies. Open to juniors, seniors and those having taken courses 1 and 2. Three or four hours attendance. Two hours credit. First semester.

[29. **Government of Nebraska**—A study of the organization and administration of state and local government; political and constitutional development; the legislature and legislation; the judicial system and judicial administration; governor and administrative system; institutional administration; local, county, and municipal government. Lectures, readings, reports. Open to second year and more advanced students. Three hours attendance. Three hours credit. First semester. *Not given in 1918-1919.* Aylsworth]

31. **State and Local Administration**—A study of administrative organization and activities of state and local government in the United States. Conducted by lectures and class discussion. Open to juniors, seniors and those having credit for 1 and 2 or their equivalent. Two hours attendance. Two hours credit. First semester. Senning

32. **Problems in State Administrations**—31 continued as a seminar. Open only to students who have had 31, except by consent of instructor. Two hours attendance. Two hours credit. Second semester.

Senning

33. Theory and Practice of Legislation—A study of the structure, organization and methods of procedure of legislative bodies, and the drafting of legislative bills. Open to juniors, seniors or those having credit for courses 1 and 2 or their equivalent. Two hours attendance. Two hours credit. First semester. Aylsworth, Sheldon

33a. Seminar on Nebraska History, Politics and Economics—Combined research seminar of the departments of American History and Political Science and Sociology. General subject for 1917-1918 will be the earlier periods of Nebraska; special assignments may be made upon any phase of Nebraska's development if desirable and convenient. Open to advanced undergraduates on consultation with instructors, and to graduates. Two hours attendance. Two hours credit. May be registered for in either of the two departments. Given every year. First semester. Caldwell, Sheldon

34. Practical Legislation; Nebraska Problems—Practice work at state house during legislative session, January to April of odd numbered years. Drafting and criticism of legislative bills and information briefs in co-operation with the Legislative Reference Department. Open only to law seniors or those who have had course 33, except on consent of instructor. Two hours attendance. Two hours credit. An additional hour credit granted for special work. Credited in College of Law. Sheldon, Aylsworth

34a. Seminar on Nebraska History, Politics and Economics—33a continued. Second semester.

35. Folklore—An examination of those systems of belief and conduct, which, inherited from prehistoric and primitive culture, have survived into modern civilization. After preliminary lectures on the study and classification of folklore, the subject is discussed under the following heads: 1. Folk-faith; Animism; magic; myth. 2. Folk-literature: Folk-tales, their origin, diffusion, and interpretation; fables; folk-songs, including ballads and children's rhymes; folk-epics, notably those of Celtic and Teutonic peoples; folk-plays, including mimes, mummers' plays, and mystery plays, folk-sayings, including proverbs and riddles. 3. Folk-custom: Ceremonial forms and observances; rules of politeness and salutations; birth, puberty, marriage, and death rites; popular festivals, especially the festivals of the Christian year; children's games; games of chance. 4. Folk-superstition: Folk-medicine; sacred numbers; symbols; lucky and unlucky days; animal lore and plant lore. These several topics are treated with special reference to the beginnings of religion, law, and morality. The course should prove of special importance to teachers and to others interested in the study of childhood. Lectures accompanied by a reference syllabus. Two hours attendance. Two hours credit. First semester. Webster

36. Folklore—35 continued. Second semester.

[37. **Principles of Political Science**—The scope and methods of political science, the nature and origin of the state, forms of state and government, sovereignty, functions of the state, citizenship and nationality, modern principles of representation, suffrage, and governmental organization. Open to seniors and graduates. Two hours attendance. Two hours credit. First semester. *Not given in 1918-1919.*

Aylsworth]

[38. **History of Political Thought**—The development of ancient medieval and modern political thought in its relation to political history; political theories of Aristotle, Aquinas, Machiavelli, Bodin, Grotius, Hooker, Hobbes, Locke, Montesquieu, Rousseau, Burke and others. Open to seniors and graduates. Two hours attendance. Two hours credit. Second semester. *Not given in 1918-1919.*

Aylsworth]

39. **Training Course for Social Service**—The aim of this course is to direct those desiring to enter some field of social service—both in their choice of work, if undecided, and in their preparation. In addition to instruction in methods of investigation and the use of statistical material, the laboratory method will be employed in so far as practicable; and when desired, various opportunities for social service will be provided students in their particular fields, under the direction of the instructor. Open to seniors and graduates. Two hours attendance. Two hours credit. First semester.

Williams

39a. **Field Work**—For the purpose of testing out the students' aptitude for various lines of social work, opportunity for practice in the field will be given students who are beginning work in practical sociology. This course should be registered for only in connection with a lecture course (7, 21, 23 or 8, 22, 24) and only upon consent of the instructor. It will offer practice work in connection with organized charity, the juvenile court, night schools, vocational guidance, community centers, etc. Open to sophomores and above. Time to be arranged. One hour credit. First semester.

Williams

40. **Training Course for Social Service**—39 continued. Second semester.

40a. **Field Work**—39a continued. Second semester.

41. **American Consular Service**—Evolution of consular system; present day organization; qualification and duties of consuls; problems; relation to expansion of trade and commerce of the United States. Conducted by lectures and class discussion. Open to advanced students. Two hours attendance. Two hours credit. First semester.

Senning

43. **American Foreign Relations**—Organization of diplomatic service; treaty making power; a study of contemporary problems of United States as world power; participation of the United States in de-

velopment of international law. Open to advanced students. Three hours attendance. Three hours credit. First semester. Senning

44. **International Politics**—A study of the international alliance, the rival world policies, the territorial problem, the rights of lesser nationalities, the movements for responsible government, reduction of armaments, and world organization for peace preceding the war and involved in terms of adjustment at its close. Open to juniors, seniors, and those having credit for 1 and 2 or their equivalent in history. Three hours attendance. Three hours credit. Second semester. Aylsworth

45. **Constitutional Aspects of Social and Industrial Problems in United States**—Tests of constitutionality of legislation; legislation for protection from fraud and oppression of economic interests; labor legislative hours, wages, employer's liability and workmen's compensation; legislation affecting business of a public nature—nature of public calling, regulation of rates, equal service; conservation; city planning; eugenics. Open only to advanced students. Two hours attendance. Two hours credit. First semester. Senning

46. **National Administration**—Administrative powers of the President and Congress; principle of administrative organization; cabinet of the President, executive department; boards and commissions and administrative service of the National government; judicial administration and relation of courts to executive authority. Open to juniors, seniors and those having credit for 1 and 2 or their equivalent. Two hours attendance. Two hours credit. Second semester. Senning

PRIMARILY FOR GRADUATES

47. **Seminar on American Politics and Government**—The subject of investigation will vary from year to year. Primarily for graduates, but by consent other specially qualified students may be admitted. One two-hour (evening) session each week. Two hours credit. First semester. Aylsworth

48. **Seminar on American Politics and Government**—47 continued. Second semester.

49. **Seminar on International Politics**—Topics of interest and importance in preparation for political and social adjustment and readjustment at the end of the war will be considered. Primarily for graduates. One two-hour session each week. Two hours credit. First semester. Howard, Aylsworth, Senning

53. **Research Course in Social Anthropology**—Students who desire to undertake special investigation in the field of social anthropology will be guided in the selection of subjects, the use of the appropriate literature, and the preparation of their researches in shape for pub-

lication. The University Library contains sets of all the important periodicals devoted to anthropology, as well as a good collection of works of travel and other source material. This course is limited in numbers, and intending students, before registration, should first consult the instructor in charge. One hour a week for conference. One hour credit. First semester. Webster

54. Research Course in Social Anthropology—53 continued. Second semester.

RHETORIC

Professor Frye (*Head of Department*), Professor Fogg, Professor Gass, Assistant Professor McPhee, Instructor Wimberly

GENERAL INFORMATION

It is the aim of the Department to further a systematic understanding of the principles of English Composition and to cultivate correct habits of speaking and writing the English language. To this end all courses insist upon constant exercise in expression and upon frequent consultations with the instructors in addition to the regular classroom discussions and recitations. At the same time emphasis is laid, as far as possible, upon outside reading and study in illustration of the methods, and in preparation of the materials, of rhetorical practice.

ELECTION OF COURSES

Before the student proceeds to elective work, he must have completed courses 1 and 2 as a prerequisite. A student electing advanced work in rhetoric will find it advantageous to carry courses in English literature in connection, if he is not doing so already. Students intending to elect work in debate should take courses 13 and 14 in their sophomore year. Such students are also recommended to acquaint themselves with those subjects from which questions for debate are usually drawn—American history, European history, jurisprudence and public law, philosophy, political economy and commerce, and political science and sociology.

UNIVERSITY TEACHERS' CERTIFICATE

Because of the need of preparation in both Rhetoric and English Literature for certificated teachers, no majors or minors are offered or accepted in either subject singly. A combined major or a combined minor is provided for such as are preparing to teach English in secondary grades. The combined major embraces courses 3, 4, 7, 8 in Rhetoric and courses 1, 2, 11, 12 in Literature. The combined minor includes course 7 in Rhetoric and course 1 in Literature. But with each major or minor, courses 17, 18 in English Literature must be taken as fundamental in either subject.

Candidates who intend to teach debate may make arrangements to substitute courses 13 and 14 for 7 and 8. Candidates should notify the department of their candidacy by the beginning of their sophomore year.

GRADUATE WORK

The department offers two lines of graduate work—Composition: On application students may arrange for rhetorical work in connection with English Literature leading to the Master's degree; Criticism: Students may also arrange for critical work in two or more languages, leading to the Master's or Doctor's degree.

COURSES PRIMARILY FOR UNDERGRADUATES

REQUIRED

1. **Rhetoric and English Composition**—Instruction and practice in elementary composition. Themes, conferences. Two hours attendance. Two hours credit. First and second semesters.

Frye, Gass, McPhee, Wimberly

2. **Rhetoric and English Composition**—1 continued. First and second semesters.

Courses 1 and 2 are required of all freshmen in the College of Arts and Sciences, the College of Agriculture, and the College of Engineering.

5a. **English Composition**—Expository writing and kindred forms of expression. Three hours attendance. Three hours credit. First semester.

6a. **English Composition**—5a continued. Second semester.

Courses 5a and 6a are required of all sophomores in the College of Agriculture

ELECTIVE

3. **English Composition**—1, 2 continued. Practice in general expression. Intended to give the student some control over his own thought and some facility in its presentation. Two hours attendance. Two hours credit. First semester.

Frye, Gass, McPhee

4. **English Composition**—3 continued. Second semester.

5. **English Composition**—Practice in general expression like course 3, intended for students wishing an additional hour's work. Three hours attendance. Three hours credit. First semester.

Frye

6. **English Composition**—5 continued. Second semester.

24a. **Newspaper Editorial and Special Article**—One hour recitation. One hour conference. Two hours credit. First semester.

Gass

24b. **Magazine Exposition**—Course 24a continued. Second semester.

25. **Narration**—Practical course in prose narrative writing. Admission by consent of instructor. Two hours attendance. Two hours credit. First semester.

26. **Narration**—25 continued with special attention to the short story. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

7. **English Composition**—Advanced course. Theory of English composition. Studies in the organization of literary material. Daily and fortnightly themes. Two hours attendance. Three hours credit. First semester.

Frye

8. **English Composition**—7 continued. Critical studies in style and structure. Readings and reports to illustrate the principles of English prose literature. Daily and fortnightly themes. Two hours attendance. Three hours credit. Second semester.

Frye

9. **Writers' Course**—Intended for advanced students who wish to improve their writing in connection with some particular subject of study or inquiry. No classes; themes, criticism and conferences. The student is expected to propose a subject, to prepare a theme, and to submit it to the instructor for criticism and advice with a view to revision and improvement. Two hours credit. First semester.

Frye

10. **Writers' Course**—9 continued. Second semester.

11. **The History of Rhetoric**—A reading course in the history of rhetorical theory. Two hours attendance. Two hours credit. First semester.

Gass

13. **Argumentative Composition**—Practical application of the principles of argumentation—analysis, evidence, structure (brief-drawing) the rhetoric of argument. The course centers in convincingness of matter and in precision and lucidity of statement. Lectures, briefs and arguments on questions of general or college interest or from the students' work in other departments. Two hours attendance. Three hours credit. First semester.

Fogg and Assistants

14. **Argumentative Composition**—13 continued. While continuing drill in conviction, this course supplements 13 by stressing persuasion—adaptation of material to specific conditions—and vigor and ease of statement. Ethics of discussion. Lectures, readings, briefs and arguments. A thesis, for which 13 is direct preparation, may be substituted for shorter arguments. Two hours attendance. Three hours credit.

Fogg and Assistants

15. **Debate**—Principles of convincing and persuasive argumentative composition applied under the conditions of oral discussion. Lectures on rhetorical style for oral presentation; debates, preceded by briefs and criticised before the class, on economic, historical, political and sociological questions. Open to those who have completed 13 and to others by consent of the instructor. Membership limited to twenty. Two consecutive hours attendance. Three hours credit. First semester.

Fogg

16. **Debate**—15 continued. Open to those who have completed 13 or 15 and to others by consent of the instructor. Second semester.

22. **Argumentation and Debate Seminary**—An intensive study in connection with the investigation of a question of current public interest, of analysis, testimonial evidence, the kinds of arguments and fallacies, brief-drawing, rebuttal, the rhetorical principles governing effective written and oral statement. Use of books of reference; the gathering and classifying of material; round table discussion of members' reports. Admission by competitive appointment. Membership limited to sixteen. Two or three hours credit. First semester.

Fogg

29. **The Nineteenth Century Essay**—Principles of English composition as illustrated by selected works of masters of modern English prose—Jeffrey, Hazlitt, Macaulay, Lamb, DeQuincy, Carlyle, Ruskin, Arnold, Newman, and Stevenson. Frequent themes; personal criticism. Prerequisite: Courses 1, 2. Two hours attendance. Two hours credit. First semester.

Fogg

30. **The Nineteenth Century Essay**—29 continued. Second semester.

34. **Comparative Criticism**—A comparative study of the drama—Greek, Spanish, French, and English. Mainly a reading course, controlled by reports, critiques, and lectures. Intended to give the students some sort of foundation for the critical appreciation of literature. A reading knowledge of French is indispensable. Admission by consent of the instructor. Two hours attendance. Three hours credit.

Frye

41. **Public Speaking**—Intended especially for students who wish to prepare themselves for public speaking—debate and other forms of public address. Its object is to assist the student in acquiring an effective oral style, forceful, direct, simple. Text-book, individual drill. Special attention to voice and gesture. Practice in various forms of extemporaneous speaking. Critical work in the delivery of one original oration each semester. Admission by consent of the instructor. Two hours attendance. Two hours credit. First semester.

42. **Public Speaking**—41 continued. Second semester.

JOURNALISM

In charge of Professor Fogg

43. **News Writing**—Practical training in newspaper technique. Study of the structure and the style of journalistic narrative, of news values, and of kinds of news "stories." Lectures, readings, "covering" actual news events, examination of representative newspapers on file. Two hours attendance. Two hours credit. First semester. Fogg

44. **News Writing**—43 continued. Second semester.

45. **Newspaper Editing**—Practice in handling copy (including telegraph news): Editing, rewriting, headline writing, proof-reading. Discussion of methods of presenting the news. Problems and policies: Organization, the country newspaper, relation of the press to the public, journalistic ethics, law of libel. Lectures, readings, comparative study of newspapers on file. Two hours attendance. Two hours credit. First semester. Fogg

46. **Newspaper Editing**—45 continued. Second semester.

[47. **History of Journalism**—First semester. *Not given in 1918-1919.* Fogg]

[48. **History of Journalism**—47 continued. Second semester. *Not given in 1918-1919.*]

ROMAN HISTORY AND LITERATURE

Professor Barber (*Head of Department*), Associate Professor Sanford,
Assistant Professor Hunter

The instruction aims to impart an understanding of the principles of the language thru a study of its development and wide reading in the literature. The intention is to lead the student to build up his grammatical knowledge and to master the laws of the language from his own reading.

The instruction is not confined to linguistic and literary lines solely. The character and institutions of the Roman people are also studied with the view of leading students to an understanding of ancient Roman civilization and its bearing on modern life.

The required courses for the University Teachers' Certificate in Latin as a major are 9, 10, 11, 12, 17, 18 and 19. Equivalent work in the department may be substituted for 17 and 18 upon consultation with the head. The courses required for a minor are 9, 10, 11, 19, and additional work assigned by the head of the department. The above courses must be preceded by the four years high school preparation, including composition (one period per week during the second and third years) and a thoro drill in the grammar. Students found to be defective in preparation may be required to take courses 7 and 8 in addition to the above.

Persons expecting to teach Latin should, on entering the University, consult the head of the department. It has been found that the combination of two subjects most called for in the high schools is Latin and English, or Latin and German. By consulting the heads of these departments in advance a much more advantageous selection of studies can be made than if attempted later.

In connection with this department is maintained a Latin Club of advanced students elected on the basis of scholarship and interest in the subject. Monthly meetings are held devoted to the reading of papers, choice passages of Roman literature, discussions, and Latin conversation. Eighty per cent of the dues are set aside for the purchase of some permanent memorial for the department.

MASTER OF ARTS

Candidates for advanced degrees must have completed courses 9, 10, 11, and 12, or their equivalents. Graduate study should include courses 17, 18, 19, 23, and 24, after which subjects may be selected from any courses open to graduates. The basis of requirement is as follows:

Second Minor: Three hours of classroom work for one year.

First Minor: Six hours of classroom work for one year.

Major: Six hours of classroom work and the equivalent of four hours in the preparation of a thesis.

Complete Course: Nine hours of classroom work and the equivalent of six hours in the preparation of a thesis.

Theses may be prepared on any of the following subjects: The satirists, the Roman drama, Roman history, Roman oratory, elegiac poetry, poetry of the empire, prose of the republic, prose of the empire, sermo, plebeius, patristic literature. By special arrangement a thesis may be prepared on some question of syntax covering the whole literature.

COURSES FOR UNDERGRADUATES

It is expected that students completing courses 1, 2, 3, and 4 will cover three years high-school work and be prepared to read Vergil.

1. **Beginning Course**—Learning of the forms. Drill in elementary syntax. Five hours attendance. Five hours credit. First semester.

Sanford

2. **Beginning Course**—1 continued. Drill in forms and syntax continued. Connected readings of selected Latin authors. Caesar begun. Five hours attendance. Five hours credit. Second semester.

Sanford

3. **Second Year Latin**—Reading of Latin authors, as Caesar and Cicero. Drill in syntax. Composition. Five hours attendance. Five hours credit. First semester.

Hunter

4. **Second Year Latin**—3 continued. Second semester.

To enter course 3a the student must have read four books of Caesar with Latin composition.

3a. **Cicero**—Three orations; Latin composition, drill in syntax. Study of oratory in Roman public life. Three hours attendance. Three hours credit. First semester. Hunter

4a. **Cicero**—3a continued. Second semester.

5. **Vergil**—Three books of the Aeneid. Drill in prosody, case and verb construction, and poetic expressions. Five hours attendance. Five hours credit. First semester. Hunter

6. **Vergil**—Three books of the Aeneid. Selections from Ovid. Drill as in 5. Metrical reading of hexameters at sight. Practical examination of tense uses. Literary art of Vergil. Five hours attendance. Five hours credit. Second semester. Hunter

7. **Practical Course in Latin Syntax**—Practical drill in the principles of Latin syntax, preparatory to rapid and accurate reading. Two hours attendance. Two hours credit. Hunter

8. **Practical Course in Latin Syntax**—7 continued. Special practice in translating long paragraphs of connected discourse.

9. **Cicero**—*De Senectute* with Latin composition. Drill in the syntax of modes and tenses; special attention to the classification of subordinate clauses. Livy begun. Five hours attendance. Five hours credit. First semester. Barber, Hunter

10. **Livy**—Books XXI and XXII. Practice in sight reading. Study of moods and tenses and subordinate clauses continued. Five hours attendance. Five hours credit. Second semester. Barber, Hunter

11. **Horace**—Selected Odes, Epodes, Satires, Epistles and *Ars Poetica*. A few passages memorized; occasional summaries; a brief view of social life in Horace's time, prosody. Four hours attendance. Four hours credit. First semester. Sanford

12. **Plautus and Terence**—*Captivi* and *Adelphoe*. A brief introduction to Roman drama; prosody. Tacitus' *Agricola* and *Germania*. Four hours attendance. Four hours credit. Second semester. Sanford

13. **Teachers' Course**—Lectures on methods of teaching Latin and on subject matter often overlooked. Courses 13 and 14 may be taken in lieu of two hours in general methods in the department of Education. One hour attendance. One hour credit. First semester. Sanford

14. **Teachers' Course**—13 continued. Second semester.

15. **Roman Philosophy**—A reading course, with lectures. Selections from Cicero, as *de Natura Deorum*, *de Divinatione*, *de Re Publica*, *de Legibus*. Two hours attendance. Two hours credit. First semester. Hunter

16. **Roman Philosophy**—15 continued. Second semester.
17. **Suetonius**—Lives of Julius and Augustus Caesar. Sight reading. Talks upon Roman life. Papers by the class. Two hours attendance. Two hours credit. First semester. Barber
18. **Pliny and Juvenal**—Selected letters. Selected satires. Reading from hearing. Collateral readings on Roman social life. Two hours attendance. Two hours credit. Second semester. Barber
19. **Roman Art and Archaeology**—On public works the following are some of the subjects treated: Amphitheatres, aqueducts, arches, architecture, basilicas, bath-houses, building materials, catacombs, circi, columns, fortifications, fora, methods of building, roads, sewers, temples, theatres, walls, war implements. The following subjects bearing on the public and private life of the Romans are treated: Dress and ornaments, household furniture, kitchen utensils, museums, manuscripts, pottery and vases, public buildings, private houses, sculpture, Vesuvius, Pompeii, Herculaneum, wall decorations. Lectures illustrated with lantern slides. Papers are required of students on specially assigned topics. Not open to freshmen. Two hours attendance. Two hours credit. First semester. Barber
20. **Roman Law**—Reading of selections from the public and private law of the Romans. Lectures on the origin, development and principles of Roman law. Two hours attendance. Two hours credit. Second semester. Barber
21. **Cicero's Letters**—Selections arranged to throw light upon life and time of Cicero. Two hours attendance. Two hours credit. First semester. Sanford
22. **Cicero**—Tusculan Disputations. Book I is studied with reference to Roman ideas of immortality. Selections from Lucretius, Seneca, and Buecheler's *Carmina Latina Epigraphica*. Two hours attendance. Two hours credit. Second semester. Sanford
23. **Composition**—A brief, illustrated review of the syntax of noun and verb, followed by practice in connected Latin writing. One hour attendance. One hour credit. First semester. Sanford
24. **Composition**—23 continued. Second semester.
25. **Latin Grammar**—An elementary course in historical development of Latin moods. Tenses. Pronunciation. Lectures. One hour attendance. One hour credit. First semester. Barber
26. **Latin Grammar**—25 continued. Second semester.
27. **History of Roman Literature**—Lectures, with selections from representative authors. Open to juniors and seniors only. Two hours attendance. Two hours credit. First semester. Sanford

28. **Roman History**—From the earliest times thru the early Empire. Primarily for those preparing to teach Latin in secondary schools. Open to juniors and seniors only. Text-books. Lecture. Three hours attendance. Three hours credit. Second semester. Sanford

29. **Latin Morphology**—Latin in its relation to the other languages of the Aryan group. Sounds and their combinations, accent, and principles of word formation and derivation. Survey of the laws of linguistic growth and change as illustrated in Latin. Lectures and readings. One hour attendance. One hour credit. First semester. Hunter

30. **Latin Morphology**—29 continued with historical study of the development of Latin. Second semester.

In addition to the above courses, others are given as occasion demands in the literature both of the Republic and Empire, in Roman history and Epigraphy.

The authors presented in these courses are Plautus, Terence, Catullus, Cicero (Philosophical and Rhetorical works), Vergil (portions of books not usually familiar to American students), Tibullus, Propertius, Ovid, Seneca, Quintilian, Tacitus, Martial.

In Roman history intensive study of brief periods is made.

In Epigraphy the aim is to train students to handle inscriptional materials for historical and other purposes.

COURSES PRIMARILY FOR GRADUATES

31. **Lucretius**—Books I and III, with an examination in modal uses of the remaining books. Two hours attendance. Two hours credit. First semester. Barber

32. **Cicero—de Oratore**—Book I, with an examination into modal uses in Cicero's essay. Two hours attendance. Two hours credit. Second semester. Barber

ROMANCE LANGUAGES AND LITERATURES

Professor Conklin (*Head of Department*), Associate Professor Reese, Instructors Hanley, Thomes, Taylor, Gordon, Assistant Apperson

General undergraduate work enables the student to read with accuracy and appreciation.

Special undergraduate work provides for literary study and practice in writing and speaking.

For the University Teachers' Certificate the following courses, or equivalents, are required: Major, courses 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, and 51, 52; minor, courses 1 to 14 inclusive. At least six semesters of strong work in the high school or three semesters in the University are required before specialization is begun.

REQUIREMENTS FOR MASTER OF ARTS

For graduate study in Romance languages at least three years of French are necessary. For the courses in the following groups equivalents are accepted:

Philological Group—Second Minor: Old French, historical French grammar, Italian, or Spanish. First Minor: Requirements for second minor and further study of Old French and of Italian or Spanish. Major: Old French, historical French grammar, Italian and Spanish, advanced course in either Italian or Spanish, Romance phonetics.

Literary Group—Second Minor: Studies of different periods in French literature, Italian or Spanish and Old French. First Minor: Studies of different periods in French literature, Italian and Spanish, or advanced course in Italian or Spanish and Old French. Major: French writing and speaking; studies of different periods in French literature; Italian and Spanish, advanced course in either Italian or Spanish; Old French, historical French grammar, special readings.

COURSES PRIMARILY FOR UNDERGRADUATES

French

1. **Beginning French**—Introductory course. Five hours attendance. Five hours credit. First and second semesters.

Conklin, Reese, Hanley, Taylor, Gordon, Apperson

2. **Beginning French**—1 continued. First and second semesters.

3. **French**—Second-year course. Modern reading. Three hours attendance. Three hours credit. First semester.

Conklin, Reese, Hanley, Gordon, Apperson

3a. **French**—2 continued. Five hours attendance. Five hour credit. Second semester.

4. **French**—3 continued. Second semester.

5. **French Writing and Speaking**—Recommended with 3. Two hours attendance. Two hours credit. First semester.

Conklin, Hanley

6. **French Writing and Speaking**—5 continued. Recommended with 4. Second semester.

7. **Classical Authors**—One hour attendance. One hour credit. First semester.

Conklin, Reese

8. **Classical Authors**—7 continued. Second semester.

9. **Romantic School**—Two hours attendance. Two hours credit. First semester.

Conklin, Reese

10. **Romantic School**—9 continued. Second semester.

11. **French Writing and Speaking**—Advanced course (Teachers' course). Two hours attendance. Two hours credit. First semester.

Conklin

12. French Writing and Speaking—11 continued. Second semester.
- 11a. French Writing and Speaking—12 continued. One hour attendance. One hour credit. First semester. Conklin
- 12a. French Writing and Speaking—11a continued. Second semester.
- ¹13. Modern French Drama and Novel—One hour credit. First semester.
- ¹14. Modern French Drama and Novel—13 continued. Second semester.
23. Learning French Plays—One hour attendance. One hour credit.

Spanish

31. Beginning Spanish—Introductory course. Five hours attendance. Five hours credit. First and second semesters. Conklin, Reese, Thomes, Taylor, Gordon
32. Spanish—31 continued. First and second semesters.
33. Spanish—Second year course. Modern reading. Three hours attendance. Three hours credit. First semester. Reese, Thomes, Taylor
- 33a. Spanish—32 continued. Five hours attendance. Five hours credit. Second semester.
34. Spanish—33 continued. Second semester.
35. Spanish—Writing and Speaking. Two hours attendance. Two hours credit. First semester. Conklin, Reese
36. Spanish—Writing and Speaking—35 continued. Second semester.
37. Spanish—Third year. Three hours attendance. Three hours credit. First semester. Reese
38. Spanish—37 continued. Second semester.
39. Spanish—Fourth year—Two hours attendance. Two hours credit. First semester. Conklin, Reese
40. Spanish—Fourth year—39 continued. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

French

15. Studies of Different Periods in French Literature—Prerequisite: Courses 7, 8, 9, 10, or equivalent work. Two hours attendance. Two hours credit. First semester. Conklin, Reese
16. Studies of Different Periods in French Literature—15 continued. Second semester.

¹Open to strong students with at least two years French. Consultation with head of department before registration.

17. French Literature—16 continued. First semester.
18. French Literature—17 continued. Second semester.

Italian

41. Beginning Italian—Introductory course. Three hours attendance. Three hours credit. First semester. Conklin, Hanley
42. Italian—41 continued. Second semester.
43. Italian—Second year course. Two hours attendance. Two hours credit. First semester. Conklin, Hanley
44. Italian—43 continued. Second semester.

COURSES PRIMARILY FOR GRADUATES

French

51. Old French—Grammar and reading. Two hours attendance. Two hours credit. First semester. Conklin
52. Old French—51 continued. Second semester.
55. French Philology—Historical French grammar, phonetical analysis of French words. One hour attendance. One hour credit. First semester. Conklin
56. French Philology—55 continued. Second semester.

Romance Phonetics

65. Comparative Phonetics of Italian, Spanish, French and Provençal—One hour attendance. One hour credit. First semester. Conklin
66. Comparative Phonetics of Italian, Spanish, French and Provençal—65 continued. Second semester.

SANSKRIT AND COMPARATIVE PHILOLOGY

(See "Greek History and Literature.")

SCANDINAVIAN LANGUAGES AND LITERATURES

Assistant Professor Alexis (*In Charge of Courses*)

1. Beginning Swedish—Elements of grammar with easy readings; sentence-structure; word-building; vocabulary. Geijerstam's *Mina pojkar*. Three or five hours attendance. Three or five hours credit. First semester. Alexis
2. Beginning Swedish—1 continued. Modern narrative prose. Selma Lagerlöf's *En herrgardssägen*. Helena Nyblom's *Det ringar*. Conversational exercises. Three or five hours attendance. Three or five hours credit. Second semester. Alexis

3. **Second Year Swedish-Syntax and Composition**—Selma Lagerlöf's *Nils Holgerssons underbara resa genom Sverige*. Runeberg's *Fänrik Stals Sägner*. Three hours attendance. Three hours credit. First semester. Alexis

4. **Second Year Swedish**—3 continued. Lectures on early Scandinavian culture. Mythology. Tegner's *Frithiofs saga*. Three hours attendance. Three hours credit. Second semester.

5. **Dano-Norwegian**—Principles of grammar; pronunciation; reading of narrative prose. Björnson's *Synnöve Solbakken*. Two hours attendance. Two hours credit. First semester. Alexis

6. **Ibsen**—*Brand* and *Peer Gynt* or some of the social dramas. Class reading and interpretation. Two hours attendance. Two hours credit. Second semester.

7. **History of Swedish Literature**—Karl Warburg's *Svensk litteraturhistoria*. Schuck's and Warburg's *Illustrerad litteraturhistoria*. John Mortenson's *Fran Aftonbladet till Roda Rummet*. Lectures, reading and reports. Three hours attendance. Three hours credit. First semester. Alexis

8. **History of Norwegian and Danish Literature**—Jaeger's *Den norske Litteraturens historie*. Hansen's *Danske Litteraturens historie*. Lectures, reading and reports. Three hours attendance. Three hours credit. Second semester. Alexis

9. **Life and Culture in the Scandinavian Countries**—A study of the public and private life of the Scandinavian peoples in modern times. Their means of subsistence, government, family relations, religion, schools, relations to foreign countries, railways, canals, and kindred subjects will be considered. Lectures in English, illustrated by lantern slides, with assigned readings in the originals or in translation. One hour attendance. One hour credit. First semester. Alexis

10. **Old Norse (Icelandic)**—Kahle's *Altislandisches Elementarbuch*. Mogk's *Gunnlaugs saga ormsstungu*. Two hours attendance. Two hours credit. Second semester.

SLAVONIC LANGUAGES AND LITERATURES

Professor Hrbkova (*Head of Department*)

1. **Beginners' Course**—Grammar, vocabulary, exercises, word structure. Selections from Reader. Five hours attendance. Five hours credit. First semester.

2. **Beginners' Course**—1 continued. Grammar continued. Conversation. "Stare Povesti" by Jirasek, "Babicka" by Bozena Nemcova, "Pod Dutym Stromem" by Halek. Five hours attendance. Five hours credit. Second semester.

3. **Bohemian Literature**—Reading and interpretation of Erben's "Kytice Povesti," Neruda's "Povidky," Havlicek's "Tyrolske Elegie" and "Epigramy." Three hours attendance. Three hours credit. First semester.

4. **Bohemian Literature**—3 continued. Reading and interpretation of Jirasek's "Filosofska Historie," Halek's "Basne," "Diva Bara" by Nemcova. Three hours attendance. Three hours credit. First semester.

[5. **Bohemian Literature**—Svatopluk Cech's "Jestrab contra Hrdlicka," "Pisne Otroka," "Lesetinsky Kovar," Kollar's "Slavy Dcera," "Mala Slovesnost." One to three hours attendance. One to three hours credit. First semester. *Not given in 1918-1919.*]

[6. **Bohemian Literature**—5 continued. Study of dramatic writings of Tyl, Klicpera, Subert, Samberk, Vrchlicky. One to three hours attendance. One to three hours credit. Second semester. *Not given in 1918-1919.*]

7. **Short Story Course**—Reading and reports. Authors considered: Cech, Machar, Klecanda, Nemcova, Trebizsky, Neruda. Two hours attendance. Two hours credit. First semester.

8. **Short Story Course**—7 continued. Modern Bohemian, Russian, and Polish writers. The structure of the short story. Composition. Two hours attendance. Two hours credit. Second semester.

9. **Conversation**—Classroom exercises in Bohemian. Idiomatic and colloquial expressions. Review of grammar. Prerequisite: Bohemian 1 and 2 or satisfactory equivalent. Two hours attendance. Two hours credit. First semester.

10. **Conversation**—9 continued. Practice in everyday Bohemian. Composition. Two hours attendance. Two hours credit. Second semester.

11. **Slavic Life**—A lecture course in English on Slavic Life. Illustrated by 1,200 lantern slides covering subjects of history, customs, homes, occupations, costumes, amusements, child life, architecture, development of the arts and industries, social and educational ideals among the Slavic nations. One hour attendance. One hour credit. First and second semesters.

12. **Immigration**—A general view of the problem of the immigrant with special reference to the Slav. Sources and causes of emigration, racial, economic, political and social effects of immigration; assimilative forces at work; distribution of immigrants; character of recent immigration; restrictive and non-restrictive measures; proposed solutions of the problem. Two hours attendance. Two hours credit. Second semester.

13-14. **History of Slavic Literature**—From the earliest times to the modern period. Consideration and discussion of Slavic writers and their chief works. Two hours attendance. Two hours credit. First and second semesters.

15. **Teachers' Course**—A special course in methods of teaching Bohemian. Assigned readings, reports, lectures, model teaching. A thoro review of the grammar and general summary of literature. Preparation of outlines for teaching. A survey of text-books used in teaching Bohemian. Suggestive helps and plans. Prerequisite: Satisfactory work in courses 1, 2, 7, 8, 9, 10, 11 or their equivalent. Two hours attendance. Two hours credit. First semester.

16. **Teachers Course**—15 continued. Two hours attendance. Two hours credit. Second semester.

17. **Beginning Russian**—Grammar, vocabulary, exercises. Five hours attendance. Five hours credit. First semester.

18. **Beginning Russian**—17 continued. Easy selections from modern Russian writers. Five hours attendance. Five hours credit. Second semester.

19. **Advanced Russian**—A practical course with conversation and composition. One to three hours credit. First semester.

20. **Advanced Russian**—Course 19 continued. Second semester.

ZOOLOGY

Professor Wolcott (*Head of Department*), Professor Barker, Professor Whitney, Professor Latimer, Doctor Emerson

GENERAL INFORMATION

The department possesses such facilities as enable it to offer the usual undergraduate courses and graduate work along certain lines.

Students entering upon the study of zoology should elect courses 3 and 4, or A, unless their course dictates the selection of such specialized courses as 11 and 12 offered to students in the College of Agriculture, 15 to students in pharmacy, or 17 and 18 to students in art. Students looking forward to the study of medicine take, after completing the first year of work, courses 25 and 22, and as electives 23 and 24 or 34. The requirements for the University Teachers' Certificate in this department are: Courses 3 and 4 (or A), 20 and 21, and 9 or 39; for a 16-hour to 18-hour minor, the same courses with the addition of 31 and 32; those who desire a major of greater extent should consult with the head of the department. Those who plan to specialize in zoology should counsel freely, from the beginning of the

course, with the head of the department. The courses designated by title as "advanced" are intended for those who have had two years' work in zoology and are meant to serve as an introduction to research.

Attention is called to the opportunities for preparation in lines leading to professional work in zoology. A course in economic zoology and entomology is offered which fits the student for experiment station work, and government work in entomology; by slight modification and the proper use of electives the course furnishes suitable preparation for the work of the U. S. Biological Survey. The student may also, by the election of courses in parasitology, animal pathology, etc., readily adapt his preparation to the needs of the work in the Bureau of Animal Industry, and by the selection of certain courses chosen with the advice of the head of the department, prepare himself for work in the new laboratories of the Bureau of Fisheries. In all these lines there is a steady demand for properly trained men at good salaries.

GRADUATE WORK

Before entering upon graduate work in zoology, and, before offering himself as a candidate, the student must consult with the head of the department as to the details of his course, even tho his work may actually be done under the immediate direction of another member of the staff.

Among the facilities available for research work are a large collection of mites, a comparatively unworked group of great economic and scientific importance; a considerable and rapidly growing collection of parasitological material; and an aquarium room with permanent colonies of protozoa and a number of the lower invertebrates under various environmental conditions, which permits of experimental work upon these forms.

The publications of the departmental staff and of graduate students are included in a series entitled "Studies from the Zoological Laboratory," of which five volumes of twenty numbers each have been completed, while of volume 6 numbers 101 to 118 have been published, and others are in press and in preparation.

The department has available a limited number of fellowships and scholarships which are given to deserving students each year. Applicants can secure full information in regard to them by addressing the head of the department.

MASTER OF ARTS

To register as a candidate for the degree of Master of Arts, a student must have completed two years of undergraduate work in zoology, and one in botany. The ordinary requirements are as follows:

Minor: An amount of advanced work equivalent to six credit hours, a minor thesis, and seminar work for one semester.

Major: An amount of advanced work equivalent to 12 credit hours, a major thesis, and assigned reading, including seminar work thruout the year.

Complete course: Work equivalent to full time for one year including reading and seminar work, and an acceptable thesis.

DOCTOR OF PHILOSOPHY

The preparation required of the student is the same as for the Masters degree. The requirements are:

Minor: An amount of work approximating that of the complete course for the degree of Master of Arts.

Major: A course of graduate study which shall meet at least the minimum time requirement imposed by the Graduate College; the preparation of a thesis which shall represent original research, and three years of seminar work.

FIRST YEAR COURSES

3. **Introduction to Zoology**—A beginning course dealing with the methods and principles of the subject, and consisting of quizzes, based upon a text; of lectures aimed to impart breadth of view and to develop the relations of the subject and its applications; and of laboratory work devoted to an intensive study of a number of selected types, mitosis and cell cleavage. For those who do not expect to take more than one year of zoology, but desire a more thoro course the credit value may be increased to four or five hours—to four, by the addition of laboratory work on an additional number of types, giving the student an acquaintance with the variety of animal forms, and to four or to five hours by means of assigned selected readings. Three hours attendance. For three hours credit four hours laboratory. Three hours credit or with additional work, four or five. First semester.

Wolcott, Whitney

4. **Introduction to Zoology**—3 continued. Second semester.

A. **Introductoin to Zoology**—A beginning course for those who desire to complete the year's work in general zoology in one semester. This course covers the same ground as courses 3 and 4. Five hours attendance. Eight hours laboratory. Five hours or, with additional assigned work, six hours credit. Second semester.

Barker

7. **Summer Session Course in General Zoology**—A condensed general course in zoology, designed to meet the needs of those who desire a general knowledge of animals and animal life, which will satisfy in part the group requirement in biology and will prepare for the teaching of zoology in high schools and for securing the state teachers'

certificate. This course taken with course 29 in zoology, will satisfy the group requirements of six hours in biology. Five hours attendance. Eight hours laboratory for three hours credit, twelve for four hours. Three or four hours credit. Summer session. Barker

8. **Zoological Fresh-Water Biology**—A field course. Open only to students who have taken or are taking courses 3 and 4. Four hours laboratory and field work. Two hours preparation. Two hours credit. Second semester. Wolcott

9. **Ornithology and Nature Study**—A course consisting of two parts; one class period and a two-hour laboratory or field period are devoted to ornithology, the other class period is devoted to nature study and in the corresponding laboratory and field period other forms of life are studied and systematic instruction given in methods of observation and practical work. Planned especially for those expecting to teach in the grades. May be elected as a one hour course in ornithology, or as a two-hour course in nature study. Two hours attendance. Four hours laboratory and field. Second semester. Open to all but recognized in part fulfillment of the group requirement for a degree only if elected as a two-hour subject, and by arrangement with the instructor. Wolcott

11. **Zoology for Agriculture Students**—A beginning course in zoology for students in the College of Agriculture. The course takes up in a practical way the nature of living matter, development, structures and functional activities of animals, geographical distribution and animal relationships, the essential features of evolution and the general principles of heredity as illustrated in the study of the common animals, more particularly those of the farm. Emphasis is placed on the understanding of the development, structure and activities of man, thru the study of animals. Laboratory and field work on type forms. Three hours lecture. Three hours preparation. Three hours laboratory and field work. Three hours credit. First semester. Barker

12. **Zoology for Agriculture Students**—Course 11 continued. Lectures dealing with the practical application of zoological knowledge in the fields of animal breeding, the animal parasites of our domestic and farm animals, and the relationships of our common animals of farm and country. Laboratory and field work illustrating these phases. Three hours lecture. Three hours preparation. Three hours laboratory and field work. Three hours credit. Second semester. Barker

13. **Zoology for Medical Students**—A beginning course in zoology open only to students registered in the six-year medical course. Emphasis is laid on the general fundamental biological principles. The structures, functions and development of animals are considered as an introduction to human anatomy, physiology and embryology. Labora-

tory work of an intensive type designed to prepare students for subsequent medical courses. Three hours attendance. Four hours laboratory. Three hours credit. First semester. Barker

14. **Zoology for Medical Students**—13 continued. Second semester.

15. **Zoology for Pharmacy and Dental Students**—A beginning course open only to pharmacy and dental students. The lectures deal with the general principles of animal morphology, physiology, and embryology. The laboratory work is based upon a study of cell cleavage, mitosis, several typical invertebrates, and two vertebrate types, together with instruction in microscopical technique and in methods of gross dissection. Two hours lecture. One hour quiz. Four hours laboratory. Three hours credit. First semester. Barker

17. **Zoology and Anatomy for Art Students**—A beginning course consisting of a general survey of the principles of zoology, especially of morphology, and leading up to the following course in the second semester. In the laboratory a few selected types are used to illustrate these principles. Three hours attendance. Four hours laboratory. Three hours credit. First semester. Wolcott

18. **Zoology and Anatomy for Art Students**—17 continued. This course begins by the application of the principles of morphology to the structure of vertebrates and closes with a study of the surface anatomy and the anatomy of the more superficial muscles of the human body. The laboratory work involves the use of several vertebrate types, including the human subject. This course may be taken without course 17 after a year's work in general zoology. Three hours attendance. Four hours laboratory and demonstration. Three hours credit. Second semester. Wolcott

SECOND YEAR COURSES

20. **Invertebrate Zoology**—For second year academic students who desire a broad and general knowledge of invertebrate animals. The course consists of the study of a variety of types of invertebrates, as to their morphology, embryology, certain phases of comparative anatomy, habits, distribution and economic value. Specimens from the general collections of the museum and laboratory, representing a large number of species, will be studied thus affording an opportunity to the student of becoming familiar with all types of invertebrate animals. Prerequisite: Courses 3 and 4. Two hours attendance. Six hours laboratory. Three hours credit. First semester. Whitney

21. **Vertebrate Zoology**—A course similar to Course 21, and with it forming a second year of general zoology leading up to the special lines of work offered in the third year. Prerequisite: Courses 3 and 4, and advised to follow 21. Two hours attendance. Six hours laboratory. Three hours credit. Second semester. Wolcott

22. **Comparative Anatomy of the Vertebrates**—A general survey of the anatomy of the vertebrates, with special emphasis on the comparative study of the various systems. In the laboratory a selected group of typical forms will be dissected with demonstrations from other groups. This course should give the student a knowledge of the vertebrate plan of structure and a training in the methods of dissection. Prerequisite: One year of zoology. Four hours attendance. Eight hours laboratory. Five hours credit. Second semester.

Latimer

23. **Embryology**—An introductory course in embryology for students who have had at least one year of zoology. The course will deal with the general principles of vertebrate development; the formation of the germ layers, the various organs and systems, and the foetal membranes. The laboratory work will include a study of chick and pig embryos. Three hours attendance. Four hours laboratory. Three hours credit. First semester.

Latimer

24. **Histology**—An introductory course in microscopic anatomy of the vertebrates which is arranged to follow course 23. During the course the student will acquire a general knowledge of microscopic technique. Two hours attendance. Six hours laboratory. Three hours credit. An additional hour may be elected, to be devoted to special work in technique. Second semester.

Latimer

25. **Medical Zoology**—Lectures on Protozoa, Platyhelminthes, Nematelminthes and Arthropoda which produce or transmit diseases of man—with particular reference to their structure, identification and life histories. The laboratory work includes a study of type forms and the required preparation of slides, and serves as an introduction to histological technique. Intended especially for the medical student. Prerequisite: A year of zoology. Three hours attendance. Four hours laboratory. Three hours credit. First semester. Barker

26. **Parasites of Domestic and Farm Animals**—A course dealing with the more common animal parasites of domestic and farm animals with emphasis on the practical and economic relation of these parasites to disease. Primarily for students in agriculture and those looking toward veterinary or United States Government work. Open to those who have had a year's work in general zoology. Laboratory work on type forms of common parasites of farm animals. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Barker

27. **Parasitology**—Study of problems in morphology, life history or distribution of parasitic animals. Laboratory; conferences; library work. Prerequisite: One year of college work in zoology. Two to five hours credit. Summer session.

Barker

ADVANCED COURSES

29. **Introduction to Genetics**—The course is of an introductory and practical nature. The fundamental principles underlying animal and plant breeding and the laws of heredity as they affect man are presented by means of lectures, class discussions of a text, reports on assigned library work and practical laboratory exercises. The laboratory work consists of breeding experiments with the fruit fly. This course is open to those having had a course in general zoology or those taking zoology 7. This course taken with the four-hour course in general zoology will satisfy the group requirements in biology. Ten hours laboratory. Two hours credit. Summer session.

Barker

31. **Organic Evolution**—A general study of the development of the theory of organic evolution from the time of the ancient Greeks to the present day together with a study of the evidences that support the theory and also of the methods by which it has operated. It is desirable that a student should have had two years work in zoology before electing this course altho with the consent of the instructor, it may be taken by those who have had only a year's work in zoology or botany. Lectures, assigned readings, and essays. Two hours attendance. Two hours credit. First semester.

Whitney

32. **Genetics**—A general study of heredity and the recent genetic theories, together with their practical bearing on the rearing and improvement of plants, animals, and man. Breeding experiments with animals will be carried on by those who wish laboratory work. It is desirable that a student should have had a year's work in zoology or botany before electing this course altho with the consent of the instructor, it may be taken by those who have had no zoology or botany, but have 60 hours of University credit. Lectures, assigned readings, and essays. Two hours attendance optional. Four hours laboratory. Two hours credit. Second semester.

Whitney

33. **Advanced Work in Animal Morphology**—Devoted to the study of some assigned problem in morphology. Laboratory work with conferences and reading. May be elected as a five to ten-hour study. First or second semester. Elected only after consultation with instructor.

Wolcott, Barker, Latimer

34. **Animal Parasites**—Taxonomy, morphology, biology and economic relationship of animal parasites. Lectures, laboratory and field work. The handling of a simple assigned problem usually on some undescribed species. Two hours attendance. Four to twelve hours laboratory. May be elected as a two to five-hour course. First or second semester. Open to students who have had courses 3, 4, and 25 or their equivalent.

Barker

35. **Experimental Zoology**—A general study of the recent results obtained in the field of experimental zoology together with demonstrations and experiments. Open to students who have had the second year's work in zoology. One hour attendance. Four hours laboratory. Two hours credit. First semester. Whitney

36. **Advanced Work in Experimental Zoology**—Individual work on an assigned problem. Laboratory work with conferences and assigned readings. May be elected as a three to ten-hour subject. First or second semester. May be taken only by permission of instructor. Whitney

37. **Advanced Work on Local Fauna**—Advanced work in ecology and systematic zoology devoted to the study of some problem connected with the distribution within the state of a certain group of animals, or with the fauna of a certain habitat. The aquarium room offers facilities for keeping material thruout the winter. Field and laboratory work with conferences and assigned readings. May be elected as a three to ten-hour course. First or second semester. Wolcott

39. **Methods in Teaching Zoology**—A course for high school teachers, including a discussion of the methods of presenting the subject, of the choice of books, and of the collection and handling of laboratory materials. Two hours lecture and conference with other assigned work. Two hours credit. First semester. Wolcott

41. **Seminar**—A review of some recent book based on original research, with a study of the literature of the subject presented. Open to election by advanced students, and required of candidates for advanced degrees, of whom are required reports on assigned readings. One hour attendance. One hour credit. May be elected more than once. First or second semester. The Staff

43. **Research**—The equipment of the department and the library facilities are such that research along certain lines indicated below is being carried on. An extensive Salt Basin, including a salt lake over a mile in extent and alkali flats with numerous ponds, all within a few minutes' walk of the campus, offer noteworthy opportunities for certain types of investigation. This course can be elected only by those registered in the Graduate College.

a. Morphology of the mites. Ecological studies and investigation on the local fauna. Wolcott

c. Morphology of the parasitic protozoa and worms. Barker

d. Problems in heredity and sex-determination. Whitney

e. Morphology of the vertebrate nervous system. Latimer

Human Anatomy' •

51. **Anatomy for Dental Students**—A course in human anatomy covering the skeleton and the gross anatomy of the head, neck and arm, and open only to dental students. Two hours attendance. Six hours laboratory. Three hours credit. First semester. Latimer

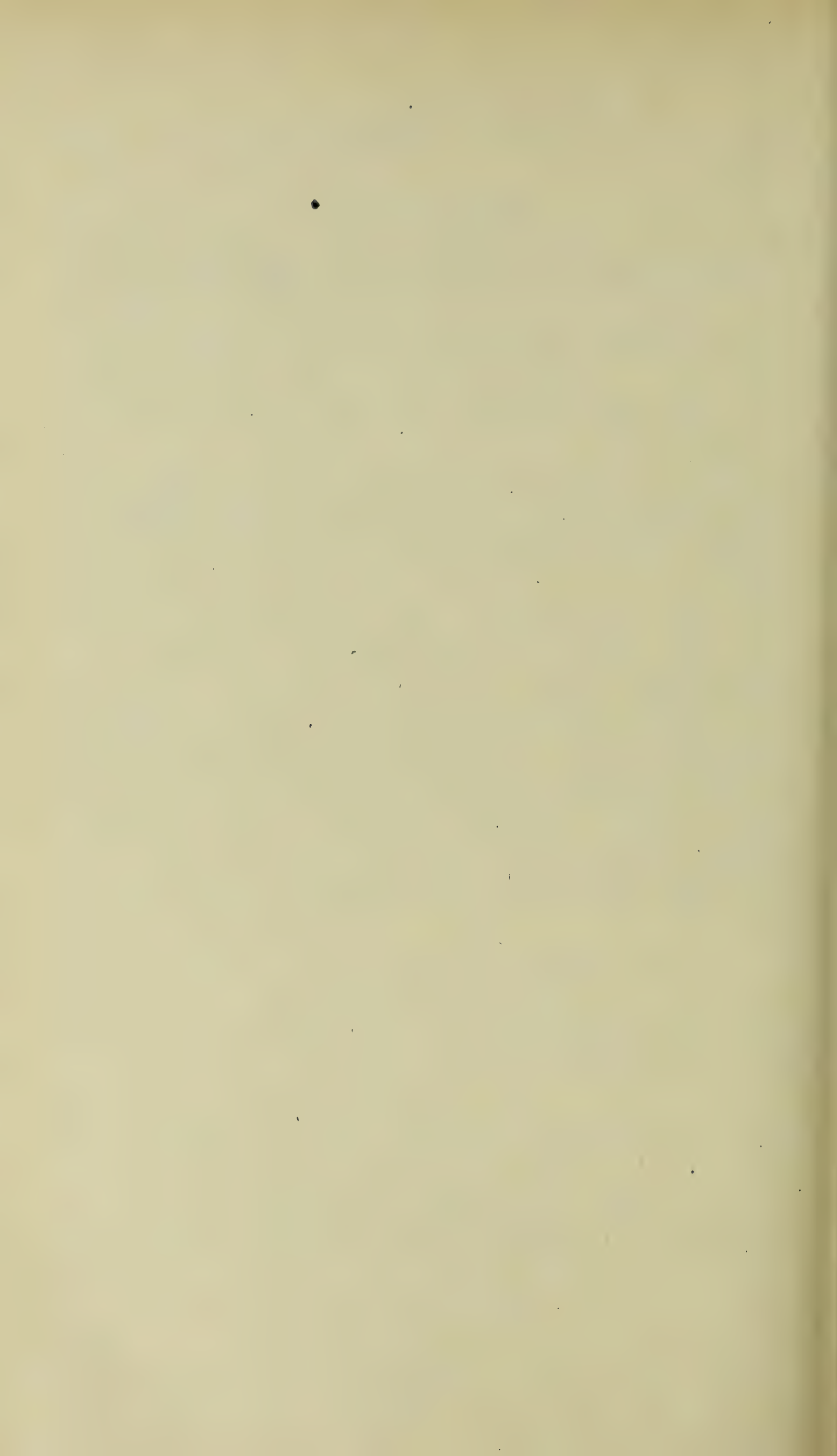
52. **Anatomy for Dental Students**—51 continued. Second semester.

53. **Anatomy for Students of Physical Training**—A course designed to acquaint students of physical training with a general knowledge of the human body and a more detailed knowledge of the muscular system, the peripheral vessels, and nerves of the viscera, and planned to give the students such a knowledge of the human body as will enable them to intelligently apply it in Physiology, Physical Culture, and Hygiene. It must be preceded by courses 3 and 4, or A. Three hours attendance. Six hours laboratory. Four hours credit. First semester. Emerson

54. **Anatomy for Students of Physical Training**—53 continued. Three hours attendance. Six hours laboratory. Four hours credit. Second semester.

55. **Histology and Embryology for Dental Students**—A course arranged for dental students and covering the histology of tissues and certain organs, general embryology, and the special histology and embryology of the teeth. Open only to dental students. Two hours attendance. Six hours laboratory. Three hours credit. Second semester. Latimer

¹No credit can be given for these courses in the College of Medicine.



University Extension

UNIVERSITY EXTENSION

A. A. Reed, Acting Director

Aim of Regents—The constant aim of the Regents of the University of Nebraska is to make the University a school of the people, by the people, and for the people—to bring the University and the home in closer touch; to give every citizen a chance to get the highest education at the smallest possible cost; to take the University to all the people of the state who are unable to adjust themselves to the formal system of education.

Purpose of University Extension—The purpose of University Extension work is to give all persons who are unable to formally attend school an opportunity thru correspondence study to investigate all problems—artistic, literary, historical, social, industrial, moral, political, educational; problems in sanitation, city lighting, sewerage; banking, crises, money, divorce—in fine, all problems that may concern the citizens of Nebraska.

To Whom the Work Appeals—University Extension work, therefore, appeals to the following classes of persons: (1) rural, grade, and high-school teachers who cannot avail themselves of resident instruction; (2) students preparing for college; (3) college students who are unable to pursue continuous resident study; (4) teachers and others who have a partial college course and wish to work along some special line; (5) instructors in higher institutions who desire assistance in the advance study of some subject; (6) professional and business men who wish technical information; (7) ministers and Bible students who wish to study the sacred scriptures from a literary standpoint; (8) all who desire a broader knowledge or a more thoro and comprehensive scholarship.

Division of Work—As a matter of convenience, the work is divided into four departments as follows:

- I. Correspondence-Study.
- II. Instruction by Lectures.
- III. Debating and Public Discussion.
- IV. General Information and Welfare.
- V. Red Cross Work.

I. CORRESPONDENCE-STUDY

The possibility and efficiency of teaching by correspondence-study has already been demonstrated by practical experience in University Extension work in the leading universities and colleges of both Europe and America. While such instruction lacks some of the advantages which resident study gives, it has compensating advantages of its

own. In correspondence instruction the teaching is personal and individual. Every student studies and recites the whole lesson, and comes in contact by correspondence with the teacher as an individual, not as a member of a large class. Correspondence-study employs the spare time of the student, gives him an interest besides his daily work. It can be done at home, and thereby brings into the home a new influence and charm. Correspondence work, moreover, throws the student upon his own resources and makes him self-reliant and self-determining.

Thru this department, the University is reaching out a helping hand to every citizen. It plans to add to the resources of life, of education and of industry; to give practical assistance to the farmer and the mechanic, to the professional man and the business man, to the employer and the employee, to teacher and to student, to farmer boy and farmer girl, to housekeeper and home-maker.

For all who desire to take correspondence-study the University of Nebraska, thru its Extension department, is able to offer:

First. Correspondence courses of study in most subjects required for city, county and state certificates.

Second. Correspondence courses of study for credit, as follows:

UNIVERSITY CREDIT

American National Government—three hours.

American History 3—three hours.

American History 4—three hours.

Agriculture, Introductory—three hours.

Agronomy 1, Soils—two to four hours.

Agronomy 2, Field and Cereal Crops—two to four hours.

Animal Husbandry—

Feeding—two hours.

Types and Breeds of Farm Animals—two hours.

Bohemian 1—four hours.

Bohemian 2—four hours.

Bohemian 7—two hours.

Bohemian 8—two hours.

Civics and Health—two hours.

Drawing—

Architectural—three or five hours.

Mechanical—three hours.

Economics 1a—three hours.

Educational Classics—three hours.

Educational Theory and Practice—

Educational Surveys—three hours.

School Organization and Administration—two to three hours.

Supervised Study—two hours.

The Art of Study—two to three hours.

English A—two hours.

English Literature 1—two to three hours.

English Literature 2—two to three hours.

English Literature 3—two to three hours.

English Literature 5a—three to five hours.

English Literature 6a—three hours.

English Literature 7—one hour.

European History—

Greek—three hours.

Medieval—two hours.

Modern—two hours.

Farm Management—two to three hours.

Gasoline Automobile—no credit.

General Science—two hours.

Geography—

Industrial—two hours.

Nebraska—two hours.

Physical—two hours.

Geology—two hours.

German.

Heating and Ventilation—two hours.

Home Economics—

Food Study 3a—two hours.

Food Study 4a—two hours.

Textiles and Clothing.

Latin Composition—two hours.

Life and Times of Lincoln—three hours.

Mathematics 1a—Advanced Algebra—three hours.

Mathematics 1b—Trigonometry—three hours.

Mathematics 2a—Analytic Geometry—three hours.

Mathematics 2b—Continuation of 2a—two hours.

Mathematics 3a—Calculus—three hours.

Nebraska History and Nebraska Problems—one hour.

Reading—two hours.

Rhetoric 1a—three hours.

Rhetoric 1—two hours.

Rhetoric 2—two hours.

Sociology, Elementary—two hours.

The Rural School—one hour.

The Secondary School—two hours.

Weather and Climate—two hours.

Zoology 1—three hours.

Zoology 2—three hours.

ENTRANCE CREDIT

- Algebra—two points.
- Arithmetic—one point.
- Elementary Agriculture—one point.
- Bookkeeping—one point.
- American Civics—one point.
- Plane Geometry—two points.
- Solid Geometry—one point.
- Grammar—one point.
- Beginning Latin—two points.
- Physics—two points.

Methods of Work and Instruction—Each lesson contains: (1) full directions for study, including reference to the text-books by chapter and page; (2) necessary suggestions for assistance; (3) questions to test the student's method of work as well as his understanding of the ground covered. After a careful study of the subject, the student writes his answers to the questions, with a statement of any difficulties that may have arisen during his study, and mails them to the Director of University Extension, Station A, Lincoln, Nebraska. The answer papers are carefully read and marked by the proper examiner, and are returned to the proper student by the Director. In like manner every lesson is carefully criticised by the instructor and returned, so that each student receives personal guidance and instruction thruout the course. The following specific directions must be followed by all correspondence students: The writing material should be the regular student's note-paper. All papers must be written in ink. Answers shall be written on one side of the paper only. The name of the course and the name and address of the student must be written at the top of the first page of each set of answer papers. All pages of answer papers must be properly numbered and fastened together in consecutive order before mailing to the Extension office. Answers must be in clear, concise terms. The answers must be numbered in the middle of the page to correspond to the questions. Carelessly written or illegible manuscript will not be accepted. Correspondence students must use sufficient postage when mailing answer papers to the Extension office. On returning these papers to correspondence students, the Extension office will furnish the postage.

Requirements for College Credit—Three hours of preparation constitute the minimum requirement in Extension work in any and all subjects for one hour of college credit. No credit is given without the approval of the head of the department in which the Extension work is taken. The final examination is given under such rules and regula-

tions as the head of the proper department may require. Only one-half of the unit hours required for graduation may be taken in correspondence study.

Requirements for Entrance Credit—Ten hours of preparation each week for one semester or a period of sixteen weeks constitute the minimum requirement in the Extension work for a credit point for entrance to the University. No entrance credit is granted without the approval of the head of the proper department.

Requirements for Certification Credit—Extension work pursued by those desiring to fit themselves for the teachers' examination for county, city or state professional certificates granted by the State Superintendent of Public Instruction is given under the supervision of the Director of University Extension, with the approval of the head of the proper department.

Expenses and Fees—The fees for correspondence-study are placed upon the lowest operating basis possible for thoro and expeditious instruction. Those who will investigate the fees charged by other state universities, private schools and colleges for correspondence study will find that the University of Nebraska has undertaken to do University Extension work at a lower cost to its students in the Extension department than has ever been done before in this country, without lowering the efficiency of the instruction given. The fact must be borne in mind that the correspondence student is usually engaged in a gainful occupation or profession, whereas the resident student temporarily suspends his earning power. The correspondence student may also be said to be turning his leisure time into economic values by this method. These and many other factors contribute toward establishing this as an inexpensive system of achievement and education. All fees are payable in advance. There will be no refund of any fee paid for Extension work unless the University is unable to give instruction in the course of study applied for by the student.

Text-Books and Supplies—All text-books and supplies necessary for the work desired may be bought from the Purchasing Agent, Station A, Lincoln, Nebraska, at cost. The student may purchase direct from the publisher, but it will expedite matters for those who take the work, as well as for the extension department, to deal direct with the Purchasing Agent of the University, and in nearly every case it will be cheaper for the student so to do, as the University can secure all books at wholesale price, while the student could obtain only retail prices.

Time for Completing Work—It is assumed that a correspondence course leading to five hours credit may be completed by the average student in eighteen weeks when not less than fifteen hours per week

are spent in preparation. It is, however, the student's privilege to pursue his studies as fast as he can or as slow as he must. If for reasonable cause the student desires more than one semester in which to complete the semester's work, this may be granted, but only under extraordinary circumstances will the student be given more than one year from the date of registration in which to complete a course of study. All students taking correspondence work are cautioned against trying to carry too much work at one time. When the student is overburdened by regular daily duties and correspondence study, University Extension work will become a punishment and a detriment rather than a pleasure and an inspiration as it may when a reasonable amount of work is undertaken.

May Register Any Time—One of the best features of University Extension work is that the student may register at any time and pursue the course of study alone, if necessary. As a rule better work can be done where there is a class of persons working together in an Extension center under a competent leader. But this will be impossible for a great number of those who desire to do Extension work. Therefore, they are given the opportunity of registering at any time and working alone.

Examinations—Where the student is taking correspondence-study to prepare for the examination for a teacher's certificate, the final examination will be given under the rules and regulations governing the county teacher's examination, and will be conducted by the county superintendent or by the city superintendent of normal training high schools. This will place the examination within easy reach of every teacher taking the work.

Where the final examination is taken for University credit, it will be given under the authority of the University of Nebraska and will be conducted by county superintendents, city superintendents and high school principals thruout the state as representatives of the University. This makes all examinations especially convenient for all who may be taking correspondence-study.

II. INSTRUCTION BY LECTURES

Instruction by lectures is an important feature of University Extension work. The University of Nebraska is able to offer thru its Extension department first-class lecture talent at reasonable rates.

Nearly all members of the faculty are available for lecture engagements. Many lectures and addresses can be secured for educational gatherings on the payment of actual expenses. In all cases the charge is nominal.

III. DEBATING AND PUBLIC DISCUSSION

We cannot better emphasize the aims of this department and the value of Debating and Public Discussion than to quote from the report of Dean Louis E. Reber, Director of University Extension of the University of Wisconsin: "This department aims to arouse and stimulate among all classes of people an intelligent and active interest in important social and political questions. Believing that there is no form of popular education that tends more essentially to the making of good citizens than study and discussion of live issues, the department collects and maintains a loan library of books and periodicals relating to questions of the day, available upon application, issues bulletins on special topics, and keeps in touch by correspondence or personal interviews with civic leagues, town councils, library and school boards, farmers' and business men's clubs, high school and academy societies, and all similar organizations thruout the state. It is difficult to estimate the value of wide-spread, systematic training of this character in its influence upon the citizens of the state. It is conceded that no other study in the university or college does more to discipline the mind and promote an interest in questions vitally affecting humanity and the government than the work done in debating societies. It is fortunate that so useful and so broadening a pursuit can be carried on in the home of the student without interruption of his regular occupations. Without other outlay than time and thought the debater is led, first to feel an interest in and desire to know about the great national and state issues of his day. This point gained, he is taught where and how to obtain material for his studies, a valuable asset in itself, if by this means he acquires the ability to inform himself when and upon what subjects he will. In studying great questions and formulating them for debate he learns to discriminate between fundamental underlying principles and non-essentials. He comes to recognize sound reasoning, not only in questions he debates, but in all his reading. In presenting arguments in public he is gaining lessons of self-control, of correct speech, and of concise thinking. That an immense influence may be exerted in countless directions by means of such training spread abroad thruout the state is evident."

The Nebraska High School Debating League was organized by Professor M. M. Fogg, Department of Rhetoric, University of Nebraska, in January, 1908, at the earnest solicitation of several of the leading school men in the state, for the purpose of promoting oral discussion in Nebraska secondary schools. Thirty-one schools participated in twenty League contests during the first year of its organization. Each year since there has been an increase in the membership and interest, more than ninety participating in the contest of 1917-18. Where any school belonging to the League desires material on the

subjects to be debated during the ensuing year, it will be furnished at actual cost thru the Extension department. This material is selected by expert debaters working under the direction of Professor Fogg. This plan reduces the cost of debating material to the minimum for all schools belonging to the League.

IV. GENERAL INFORMATION AND WELFARE

The departments of history, economics, sociology and the colleges of agriculture, law and medicine will, thru the General Information and Welfare Department of University Extension, render valuable assistance to thousands of persons thruout the state.

University Extension is for the benefit of all the people and must be comprehensive both with reference to including the work of all departments of the University proper, so far as practicable, and in covering the widest possible range of study of all questions that concern the people of the commonwealth. Its purpose is clearly set forth in Professor Caldwell's report to the Chancellor and Board of Regents, made April 18, 1908: "To investigate all problems, artistic, literary, historical, social, industrial, moral, political, educational; problems of sanitation, city lighting, sewerage, banking, crises, money, divorces, etc.—in fine, all problems that may concern the citizens of Nebraska."

Lantern slides and motion picture films are distributed for the benefit of high schools and educational gatherings. For lists available, write to the department.

Aid is given in dramatic art by sending out assistants to drill individuals or groups and by supplying appropriate selections for recitals.

V. RED CROSS WORK

Through the Extension Department, the University of Nebraska is co-operating with the American Red Cross. Extension courses are being offered by the Department of Physiology in First Aid, Home Nursing, Surgical Dressing and Dietetics. The Department of Political Science and Sociology is aiding the Department of Civilian Relief in instituting chapter courses in Nebraska. Nearly all the members of the faculty of the University of Nebraska have placed themselves at the disposal of the Department for lectures for the benefit of the Red Cross.

For further information relative to any question concerning University Extension work, write the Director of University Extension, Station A, Lincoln, Nebr.

Roster of Students and Degrees
and Index to Complete Catalog

DEGREES CONFERRED IN 1916-1917

Mid-Winter Commencement, 1917

COLLEGE OF ARTS AND SCIENCES

BACHELORS OF ARTS—31

Ruth Ashby
 Agness Pauline Bartlett
 Abi Elizabeth Beynon
 Clarence Ray Bigelow
 Elmer Orton Blackstone
 Mabel Luella Bridges
 Henry Chung
 Robert Platt Crawford
 Duncan Dillon
 Florence Dunn
 Ada Laura Elliott
 Mary Irene Goodrich
 Susan Emolyn Harman
 Florence Margaret Jenks
 Berenice Celestine Keefe
 Darrell Thomas Lane

Clyde William Lehman
 Charles Elson Lively
 Ralph Merton Marrs
 Roland Edison Murphy
 Gerhard John Naber
 Helen Rodney Peck
 Louise Joyce Peck
 Marschelle Harnly Power
 Ida Kathryn Roberts
 Helen Louise Schwab
 Gertrude M. Sues
 Irvin Samuel Ulrich
 Helen Ida White
 Gladys Bernice Wilkinson
 Mary Edith Woodburn

BACHELOR OF SCIENCE—1

Donald Benedict Dow

COLLEGE OF AGRICULTURE

BACHELORS OF SCIENCE IN AGRICULTURE—6

James William Boggs
 Thomas Germaine Egan
 Clarence Elmer Hagelin

Henry Herman Heitmann
 Edward Lowall Liebendorfer
 Leonard Owen Vose

BACHELOR OF SCIENCE IN HOME ECONOMICS—1

Margaret Stuart Lewis

COLLEGE OF ENGINEERING

BACHELORS OF SCIENCE—6

Elmer William Anderson
 Robert Fairie Cameron
 Raymond Allinson Fulton
 Melvin Miller Garrett
 Charles Luther Reinhold Swanson
 Henry George Wenke

in Electrical Engineering
 in Mechanical Engineering
 in Electrical Engineering
 in Agricultural Engineering
 in Civil Engineering
 in Electrical Engineering

COLLEGE OF LAW

BACHELORS OF LAWS—3

Harry Hiram Ellis
 George Worthington Irwin

Victor Martin Spirk

COLLEGE OF PHARMACY

GRADUATE IN PHARMACY—1

Charles Godfrey Samuelson

GRADUATE COLLEGE

MASTERS OF ARTS—4

Gordon G. Andrews, A. B. 1912, Union College—European History
 Edith Anna Lathrop, A. B. 1903—Education
 Clyde Samuel Thomas, A. B. 1914—Pharmacology, Education
 Alva Wilson, M. D. 1897, Eclectic Medical Institute; B. Sc. in Agr. 1916—Zoology

GRADUATE TEACHERS DIPLOMA—1

Edith Anna Lathrop

THE COLLEGE OF ARTS AND SCIENCES

BACHELORS OF ARTS—167

Oscar Ebenezer Alexis
 Oscar William Alm
 *Everett John Althouse
 Rose Gustava Anderson
 Marie Aplan
 Paul Talbot Babson
 Amy Leota Baker
 Esther Loretta Baker
 Cecile Frank Baldwin
 Mabeth Margaret Beach
 Lois Grace Bee
 *Ira David Beynon
 Dan W. Bolton
 Norman Tobitt Bourke
 Henry James Brandt
 Eugenia Mary Brennan
 *Adrian Robert Brian
 Edith Marion Brown
 Hattie May Brown
 Percy Alan Brundage
 Ita Saunders Bryant
 Anna Driver Burkart
 E M Burr
 Blanche Marie Busk
 Kathryn Marie Busse
 Alexander Clark Cameron
 Gotthilf Oliver Cast
 Hazel Catterson
 *Verne Catterson
 Ethel Maude Chace
 Charles Edward Claar
 Maurice Charles Clark
 Louise Coe
 Edla Amalia Collins
 Frieda Florence Cooley
 Helen Lavina Cornell
 Emily Lucy Cox
 Alma Craven
 Margaret Isabel Crue
 Charles Linden Culler
 Gladys Elizabeth Dana
 Clarissa Rose Delano
 Elizabeth Ann Marie Doyle
 *Louis Raymond Doyle
 Clyde Jacob Drawing
 Bertha Marie Driftmier
 Olive Beatrice Eggleston
 Ura Hester Ellison
 Grace Erwin
 Irene B. Fleck
 Phebe Folsom
 *Charles Millard Frey
 Lucile Wendell Cass
 Marion Louise Gee
 Kathryn E. Gerhart
 George Herbert Giles
 Livingstone Albert Gordon
 Ethel Victoria Graham
 Emily Helene Grewe
 Frances Grewe
 Edward Ludwig Gutberlet
 *Paul Halbersleben
 Oscar Earl Hall
 Owen Salisbury Hand
 Ada Belle Hanna
 Oscar Ernest Hans
 Ethel Pierce Hartley
 Willard Aaron Hartley
 *Frank Leslie Hixenbaugh
 Grace Luella Horner
 Pansy Helen Hostetter
 *Edwin Orville Hugg
 Arthur Evan Hughes
 Darlien Marie Ivers
 John Middleton Jandrall
 Mabel Hancock Jean
 Lucy Martha Jeffords
 Nettie Frances Jeffrey
 Marion Cusack Kastle
 Marguerite Olivette Kauffman
 Wanda Jeannette Kimmel
 Mary Lucile Kirk
 Ethel Florence Kittinger
 Vivian Mary Knight
 Henry Adolph Knutzen
 Vina Emma Kohler
 *Ladislaus Kubik
 Margarete Meta Hedwig Kunde
 Olive Lehmer
 Alice Ferne Longacre
 Gladys Lowenberg
 Anna Louise Luckey
 Constance Lyford
 James Eric Lynch
 Helen Louise McComas
 Laura Maybelle Marshall
 Grace May Marx
 Beryl Mawhinney
 Arthur Bayard Mickey
 Martin Lloyd Minthorn
 Carrie Dorothy Moodie
 Nellie Viola Morrissey
 Merle Irene Mossman
 Eunice Constance Munson
 Audrey Sue Murphy
 Nathan Muskin
 Ora Ethel Neff
 Pete C. Neuswanger
 Marjorie Edith Odman
 Edna Alvira Ogden
 Elizabeth Osgood

Ira Albert Pace
 Leo Leander Pace
 Raymond Patton Parry
 Elizabeth Jewell Perrin
 Lloyd William Polsley
 Melba Louise Quigley
 Ruth Quigley
 Everett Lyman Randall
 Virginia Reynolds
 John Christen Romer
 Anne Ingham Russell
 *Raymond June Saunders
 Louise Schavland
 Otilia Flora Schmidt
 Charles Edwin Schofield
 Leah Amelia Schofield
 Clifford Bryan Scott
 Doris Eliza Scroggin
 Anna Mae Shade
 Lula Shade
 Helen Curtiss Shepherd
 Charles Robert Sherer
 Richard Sylvester Sherman
 Samuel Simon
 Rudolph Ludwig Sinkie
 Esther Madeline Smith
 Frederick Amos Snocker
 Mary Dorothy Stephens
 *Degrees conferred at Ft. Snelling, June 16th.

Ruth Cleveland Stephenson
 *John Bergman Stoddart
 Ethel Stone
 Anna Marie Sturmer
 Fredericka Swartzlander
 Fay Evelyn Teel
 Arthur E. Tenhaeff
 Ralph Leroy Theisen
 Robert Hayden Van Boskirk
 Garrett Edwin Van Meter
 Beth Walker
 Dorothy E. Wallace
 Marian Watkins
 *Phillip Watkins
 Doris Adeline Weaver
 Ruth Aleen Weeks
 Genevieve Welsh
 Mildred Jennie Weseen
 Sarah Kent Weston
 Ruth Irene Whitmore
 Howard Stebbins Wilson
 Florence Mary Wirt
 Bernice Maru Wood
 Leona Marie Wood
 Mary Magdalene Wupper
 Keung Mook Yang
 Carleton Byron Yoder
 Nellie Margaret Youngers

BACHELOR OF FINE ARTS—1

Lillian Rudersdorf

BACHELORS OF SCIENCE—21

Fuller Bryan Bailey
 Albert Lloyd Cooper
 Fred David Coleman
 George McClave Cultra
 Ruth Elizabeth Dore
 Lloyd L. Edmisten
 *Walter Frank Goodman
 Carl Francis Hollenback
 Emil Joseph Krahulik
 Lilburn B. Lake
 Elmer Eranius Lindeblad

Maurice Blaine Long
 Harry Edwin McGee
 Louis Francis Meier
 C. LeRoy Meisinger
 Annie Martha Mogensen
 Laurance Curtis Northrup
 Carl Frederick Rusche
 John Arthur Seaberg
 Howard Leighton Updegraff
 Harold Hill Walker

THE COLLEGE OF AGRICULTURE

BACHELORS OF SCIENCE IN AGRICULTURE—32

*Richard Eugene Baliman
 Robert Norman Balster
 Willard Hanford Barber
 J. Ernest Bell
 Herman Albert Biskie
 George Arlington Blotz
 Samuel Hall Chester, Jr.
 Wilbur Arthur Dunbar
 John Edgar Fate
 William Patton Glade
 Wayne Edwin Hanlen
 Byron Gordon Hays
 Arthur William Ingersoll
 Karl Laurence Janouch
 Harry Griffith Marsh
 Ivanhoe Kriebel Metz

Harold Philip Morgan
 Harold Grant Neff
 George Neuswanger
 Elvyn George Nordstrom
 Bohuslav Joseph Novotny
 George Raymond Patterson
 Sidney John Pearce
 Grosvenor Murray Porter
 Emil Joseph Prusa
 Walter J. H. Rudersdorf
 Floyd Hott Runkel
 John Henry Scheidt
 Don Vilas Spohn
 *Charles Clairmont Vasey
 Henry W. Williams
 August Zuhlke

BACHELORS OF SCIENCE IN HOME ECONOMICS—28

Marie Emily Axtell
Elizabeth Boehr
Dorothy Jane Carns
Ethel Beulah Coffman
Hester Irene Dickinson
Ruth Elaine Enyeart
Mary Haller
Myra Irene Heine
Clara Brown Hymar
Ada Burkett Johnson
Ruth Emelie Johnson
Della Juanita Kolb
Willie McReynolds
Esther Lucile Ord

Matilda Katherine Peters
Gertrude Louise Purinton
Vivian Josephine Purinton
Ethel Frieda Richert
Florence Charlotte Schoenleber
Geneva Pauline Seeger
Margaret Gladys Sherwin
Gertrude Sophia Stewart
Eunice Leonora Taylor
Janet Hammond Thompson
Mabel Pearl Thompson
Mabel Roena Webber
Lulu Pearl Wolford
May Agnes Youngson

THE COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE IN ARCHITECTURAL ENGINEERING—1

James Herbert Pierce

BACHELORS OF SCIENCE IN CIVIL ENGINEERING—5

Earl Bruce Douglass
Walter Leonard Glaser
Paul Jerome Raver

Guy Clifford Thatcher
Louis William Weaver, Jr.

BACHELORS OF SCIENCE IN ELECTRICAL ENGINEERING—15

*Arthur William Ackerman
Adolf Blunk
*Emile James Boyer
Fred Garrison
Charles Edwin Glasser
Adolph Virgil Hlava
Edward Martin Kadlecsek
Albert Vincent Landgren

Phillip Morgan McCullough
Victor Walter Madsen
William Alfred Schumacher
Ira Burnett Starr
Cyril J. Wertz
Harold Barnard Whitfield
Harold Burroughs Wood

BACHELORS OF SCIENCE IN MECHANICAL ENGINEERING—9

*McKinley Frasier Clark
Clyde Blaine Dempster
James Washington Galloway
*Harold Frederick Holtz
Benjamin Faye Mills Merriam

Orlo Allen Powell
Irwin Fish Smith
Paul Homer Smith
Harry Leonard Zetterman

THE COLLEGE OF LAW

BACHELORS OF LAWS—26

*John Lorin Caley
*Henry William Campbell
Edward Everett Carr
Albert Jackson Covert
Anders Christian Debel
*Arthur Averill Emley
Carl Donald Ganz
*Spray LaFayette Gardner
Virgil James Haggart
*Victor Hugo Halligan
LeRoy James Harney
William Gordon Kline
*Ralph Oliver Lahr

John Loder
Curtis Owen Lyda
Irwin Albert Mellon
Harry T. Pressly
*Robert W. Proudfit
*Walter Rudolf Raecke
*Marion Ansley Shaw
Virgil Emerson Skipton
Thomas Stibal
*Robert Bennett Waring
Parker Marion Wickstrum
*Hugh VanDuyn Williams
Otto Herman Zumwinkel

DOCTORS OF JURISPRUDENCE—2

Leo Orville Chatt, A. B. 1913, Phillips University; LL. B. 1916
William Niklaus, B. S. 1909, Hanover College; LL. B. 1915

THE COLLEGE OF MEDICINE

DOCTORS OF MEDICINE—16

Aage Brix
 J. Calvin Davis, Jr.
 Julius Andrew Johnson
 Rudolph E. Kriz
 Lilburn B. Lake
 Otis Martin
 Earl Clifton Montgomery
 Niels Nedergaard

Leonard C. Riggart
 F. Scott Salisbury
 Lydia Louise Schaum
 Raymond Gessell Sherwood
 Andrew Sinamark
 Vernon Vivaldo Talcott
 Charles Willard Way
 William Tell Wildhaber

THE COLLEGE OF PHARMACY

BACHELORS OF SCIENCE IN PHARMACY—1

Saul Bryan Arenson

PHARMACEUTICAL CHEMISTS—4

Fred Julian Creutz
 Elmer William Johnson

Charles Wesley Lesh
 Charles Godfrey Samuelson

GRADUATES IN PHARMACY—8

Howard Lloyd Anderson
 Ernest Luther Fogelstrom
 Wilmer John Johnson
 Roy Albert Larson

Wilford Samuel Nelson
 Joseph Raymond Pexton
 William Moreland Rogers, Jr.
 Walter Emil Wiest

THE GRADUATE COLLEGE

MASTERS OF ARTS—14

Esther Sanfrieda Anderson, B. Sc. 1915—Geography and Conservation
 Ralph Irving Austin, A. B. 1915, Nebraska Wesleyan University—Political Science
 and Sociology
 Nell Bridenbaugh, A. B. 1908—Germanics, English Literature
 Knute Emil Carlson, A. B. 1915—Political Science, American History
 Clinton Ellsworth Collett, A. B. 1908, Nebraska Wesleyan University—Geography and
 Conservation
 Bessie Foster, A. B. 1914—English Language and Literature, Education
 Mary Belle Hooton, A. B. 1913—English Language and Literature, Education
 Gwendolyn Hughes, A. B. 1916—Sociology
 Frank Covert Jean, A. B. 1911—Botany
 Hazel Frost Snell, A. B. 1912—Sociology
 Harold John Stockman, A. B. 1916—Chemistry
 Albert Frederick Thiel, A. B. 1916, University of Minnesota—Botany
 Frederick Francis Weinard, B. Sc. 1916—Botany
 Maurice Harley Weseen, A. B. 1914—English Language and Literature

DOCTOR OF PHILOSOPHY—1

Garland Edison Lewis, B. S. 1909, Grand¹ Island College; A. M. 1913—Chemistry,
 Pharmacy, Physics

GRADUATE TEACHERS DIPLOMAS—2

Bessie Foster

Mary Belle Hooton

HONORARY DEGREES

DOCTORS OF CIVIL LAW

Roscoe Pound
 Theodore Roosevelt

DEGREES CONFERRED IN 1916-1917

545

DOCTORS OF LAWS

John Joseph Pershing
Rollins Adams Emerson

DOCTORS OF SCIENCE

Robert Fletcher Gilder
Patrick Joseph O'Gara

DOCTORS OF LETTERS

Edith Abbott
Willia Seibert Cather
John Gneisau Neihardt

LITTERARUM HUMANIORUM DOCTOR

S. Mills Hayes

Summer Session, 1917

THE COLLEGE OF ARTS AND SCIENCES

BACHELORS OF ARTS—26

Alta Carew Arbuckle
Henry J. Arnold
Lizzie Hephzibah Beynon
Ella Blunk
Ermine Carmean
Mabel Stephenson Clayton
Inez Mabel Cook
Alma Catherine Fritchhoff
Myrtle Margie Gelwick
Marjorie Green
Taro Ijichi
Rena May Keith
Ethel Leona Lindsey

Anna Catherine McGloin
Leona McLean
Jane Elizabeth Matthews
Edna Anna Maxon
Joy Elmer Morgan
Walter Romny Pate
Else Hawes Perry
Pauline Peters
Ernest Henry Smith
Henry Frederick Staack
Mildred Francis Thompson
Lucile Amelia Wehrs
Martha Bertha Winter

BACHELOR OF SCIENCE—1

Mae Stephenson Clayton

COLLEGE OF AGRICULTURE

BACHELORS OF SCIENCE IN AGRICULTURE—5

Einar Anderson
Emil Carl Loriks
Clarence Eugene Mickel

Glen Harrison Moseley
Philip Lysle Sheldon

BACHELORS OF SCIENCE IN HOME ECONOMICS—2

Grace Matilda Hanlen

Edna Charlotte Pegler

COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING—1

Arthur William Tell

THE UNIVERSITY OF NEBRASKA

COLLEGE OF LAW

BACHELORS OF LAWS—4

Leonard Titus Fleetwood
William Lowe McMullen

John Joseph Noone
Franz Christopher Radke

GRADUATE COLLEGE

MASTERS OF ARTS—20

Frank Flanders Adams, B. E. 1912, Peru Normal—Education
Amy Eleanor Armstrong, A. B. 1914—Philosophy, English Literature
Irvin Oda Ash, A. B. 1914, University of West Virginia—Education
Harry Elwyn Bradford, A. B. 1904—Education, Animal Husbandry
Arthur Charles Christensen, A. B. 1913, Union College—Chemistry
Magdelene Craft, A. B. 1916—Germanics
Mary Alice Frum, A. B. 1910—American History, Education
Florence Marie Grimm, A. B. 1912—Philosophy, English Language and Literature
Sallie Davis Houston, A. B. 1902, Cottey College—English Language and Literature, Education
Yong Kiu Lee, B. Sc. 1916—Chemistry
August Edward Nordgren, A. B. 1914—Chemistry
Fred Schriever, A. B. 1916, Morningside College—Germanics
Donald Fox Showalter, A. B. 1916—Philosophy, Education
Anna Louise Steckelberg, B. Sc. 1914, Kansas Agricultural College—Rhetoric, English
James Miller Stimson, B. Sc. 1899, Iowa State College—American History, Educational Theory and Practice
Mabel Eleanor Swanson, A. B. 1908—Botany, Education
Frank Richard Vosacek, B. Sc. 1908—Education, Philosophy
Curry Wathan Watson, B. Sc. 1916—Farm Management, Animal Husbandry, Agronomy
James Westhoff, A. B. 1916, Nebraska Wesleyan University—English History, Education
Ira Glade Wilson, B. E. 1915, Peru State Normal—English Language and Literature

MASTERS OF SCIENCE—2

Emory Frederick Almy, B. Sc. 1916—Agricultural Chemistry
John Ralph Cooper, B. Sc. 1912, Kansas Agricultural College—Plant Pathology, Horticulture

DOCTORS OF PHILOSOPHY—2

Joseph Richard Fulk, A. B. 1903, A. M. 1912; A. M. 1915, Columbia University—Education, Political Science and Sociology, Philosophy
Susanne Ring Parsons, B. Sc. 1914, A. M. 1915—Zoology, Chemistry

THE GRADUATE SCHOOL OF EDUCATION TEACHERS DIPLOMAS—9

Frank Flanders Adams
Irvin Oda Ash
Rufus Clarence Bentley
Harry Elwyn Bradford
Mary Alice Frum

Sallie Davis Houston
Donald Fox Showalter
Mabel Eleanor Swanson
Frank Richard Vosacek

THE TEACHERS COLLEGE DIPLOMA AND UNIVERSITY TEACHERS CERTIFICATES—68

Rose Gustava Anderson
Marie Emily Axtell
Cecile Frank Baldwin
Elizabeth Boehr
Eugenia Mary Brennan
Kathryn Marie Busse
Mabel Stephenson Clayton
Mae Stephenson Clayton
Louise Coe
Edla Amalia Collins
Frieda Florence Cooley
Emily Lucy Cox
Gladys Elizabeth Dana
Hester Irene Dickinson

Bertha Marie Driftmier
Florence Dunn
Marguerite Lucile Dye
Ada Laura Elliott
Ura Heston Ellison
Grace Erwin
Marion Louise Gee
George Herbert Giles
Mary Haller
Grace Matilda Hanlen
Myra Irene Heine
Grace Luella Horner
Clara Brown Hymen
John Middleton Jandrall

Ada Burkett Johnson
 Marguerite Olivette Kauffman
 Berenice Celestine Keeffe
 Ethel Florence Kittinger
 Margarete Meta H. Kunde
 Olive Lehmer
 Margaret Stuart Lewis
 Ethel Leona Lindsey
 Gladys Lowenberg
 Constance Lyford
 Grace May Marx
 Beryl Mawhinney
 Edna Alvira Ogden
 Esther Lucile Ord
 Elizabeth Osgood
 Mathilda Katherine Peters
 Vivian Josephine Purinton
 Melba Louise Quigley
 Ruth Quigley
 Ethel Frieda Richert

Ida Kathryn Roberts
 Louise Schavland
 John Henry Scheidt
 Florence Charlotte Schoenleber
 Geneva Pauline Seeger
 Lula Shade
 Charles Robert Sherer
 Richard Sylvester Sherman
 Margaret Gladys Sherwin
 Esther Madeline Smith
 Gertrude Sophia Stewart
 Ethel Stone
 Mabel Pearl Thompson
 Doris Adeline Weaver
 Mabel Roena Webber
 Genevieve Welsh
 Helen Ida White
 Lulu Pearl Wolford
 Leona Marie Wood
 May Agnes Youngson

THE TEACHERS COLLEGE DIPLOMA AND THE FIRST GRADE CITY-STATE CERTIFICATES—68

Oscar Ebenezer Alexis
 Marie Aplan
 Ruth Ashby
 Esther Lauretta Baker
 Agness Pauline Bartlett
 Mabeth Margaret Beach
 Clarence Ray Bigelow
 Herman Albert Biskie
 Henry James Brandt
 Blanche Marie Busk
 Dorothy Jane Carns
 Ethel Beulah Coffman
 Margaret Isabel Crue
 Charles Linden Culler
 Clarissa Rose Delano
 Olive Beatrice Eggleston
 Ruth Elaine Enyeart
 Irene B. Fleck
 Lucile Wendell Gass
 Kathryn E. Gerhart
 Ethel Victoria Graham
 *Paul Halbersleben
 Ada Belle Hanna
 Ethel Pierce Hartley
 Pansy Helen Hostetter
 Arthur Evan Hughes
 Ruth Emelie Johnson
 Marion Cusack Kastle
 Wanda Jeanette Kimmel
 Vivian Mary Knight
 Vina Emma Kohler
 Della Juanita Kolb
 Clyde William Lehman
 Alice Ferne Longacre

Emil Carl Loriks
 Anna Louise Luckey
 Helen Louise McComas
 Anna Catherine McGloin
 Leona McLean
 Ralph Merton Marrs
 Laura Maybelle Marshall
 Edna Anna Maxon
 Carrie Dorothy Moodie
 Nellie Viola Morrissey
 Gerhard John Naber
 Elvyn George Nordstrom
 Marjorie Edith Odman
 Edna Charlotte Pegler
 Elizabeth Jewell Perrin
 Helen Louise Schwab
 Doris Eliza Scroggin
 Helen Curtiss Shepherd
 Mary Dorothy Stephens
 Gertrude M. Suess
 Eunice Leonora Taylor
 Fay Evelyn Teel
 Janet Hammond Thompson
 Mildred Francis Thompson
 Garrett Edwin Van Meter
 *Charles Clairmont Vasey
 Dorothy E. Wallace
 Marian Watkins
 Ruth Algen Weeks
 Sarah Kent Weston
 Martha Bertha Winter
 Florence Mary Wirt
 Mary Magdalene Wupper
 Nellie Margaret Youngers

PHYSICAL EDUCATION CERTIFICATES—7

Edith Marion Brown
 Irene B. Fleck
 Marjorie Green
 Ora Ethel Neff

Fredericka Swartzlander
 Clyde Jacob Drawing
 Garrett Edwin Van Meter

CERTIFICATES OF THE SCHOOL OF COMMERCE—6

*Everett John Althouse
 Percy Alan Brundage
 *Raymond June Saunders

Samuel Simon
 Ralph Leroy Theisen
 Robert Hayden Van Boskirk

THE SCHOOL OF AGRICULTURE CERTIFICATES OF GRADUATION—67

Marguerite Isabelle Armstrong
 Etta Alice Bever
 Archie Frederick Bloom
 Esther Ann Booth
 George William Boydston
 Haskle Dennis Boyer
 Anna Grace Brady
 Lola Ellen Burton
 Woodford Sturdevant Butterfield
 Menno Claassen
 Hilda Maxine Clausen
 Irene Evelyn Conneally
 Robert Stanley Corby
 Lewis Craft
 Ruth Hannah Crain
 Walter Otto Ernst
 J. Leaman Fairley
 Ruby May Faulhaber
 James Richard Flood
 George Haddin Geary
 Eveline Emily Glebe
 Clarence Ralph Heebner
 William Weller Hoagland
 Alice Pearl Holbrook
 Hazel Jeanne Hoobler
 Earle Everett Humphries
 George Philip Johnson
 Karl Leonard Keyes
 Arvilla Louise Klein
 Herman Ervin Krueger
 Lester William Albert Meyers
 Hazel Pearl Miller
 Genevieve Morris
 William Allen Morris

Harley P. Nelson
 Metta Blanche Nelson
 Walter Arthur Nelson
 Clyde Gordon Nicholson
 Grace Araminta Nicholson
 Ruth Nicholson
 Lewis Allen Osbourn
 George Virgil Pearson
 Stephanie Bentea Petersen
 Donald Lathrop Pettis
 Roy Arlington Phillips
 Irene Viola Philpot
 Emily Olive Posey
 Novia Veatch Preston
 Joshua Andrew Ring
 Wayne West Rolofson
 Richard Franklin Rowe
 Anna Gesima Schweers
 Roy Franklin Steinhoff
 Neta Agnes Stilgebauer
 Bernice Stubbs
 LeRoy George Thompson
 Kenneth Albert Tool
 William King Versaw
 Frances Mattie Walter
 David Wilmeith Way
 Gertrude Marie Weller
 Everett Thompson Winter
 Reinhold Witt
 Paul Frederick Wolph
 Arthur Beebe Worthman
 Norman Paul Ziemann
 Edgar Ernest Zimmerman

SUMMER SESSION

Julia Lavinia Jacoby

Maude Elaine Thompson

THE NEBRASKA SCHOOL OF AGRICULTURE (CURTIS) CERTIFICATE OF GRADUATION—12

Harry William Adams
 Milon Hilmuth Albrecht
 Della Omelia Ball
 Robert Parvin Baskin
 Cleo Marie Burton
 George Christopher Gerdes

Ralph Dewey Grosbach
 Ethel May Humphrey
 Gladys Mable Powell
 Garnett Louella Pyle
 Helen Ardis Taylor
 LeRoy Wheeler

THE TEACHERS COLLEGE HIGH SCHOOL CERTIFICATES OF GRADUATION—40

Esther Gertrude Abbott
 Bertha E. Andrews
 Conrad John Lewis Baumgartner
 Leo R. Beattie
 Esther Beatrice Bolar
 Helen Clegg
 Grace Elizabeth Davidson
 Lulu Orpha Edwards
 Leta Fern Firkins
 Nobert Hanapa!
 Lawrence Hewitt
 Ella Hoppler
 Raymond Eugene Hoy
 Mathilda Christine Johnson
 Kent Kimball
 Gertrude Frances Lee

Elva May McWilliams
 Ella Marie Maahs
 Clara May Megee
 Esther Martha Mills
 Anna Nelson
 Zelda Leora Nelson
 Henry L. Pechota
 Sarah Esther Perrin
 Edith Marie Piersol
 Donald Ellis Shaw
 Ada Anna Stech
 Claire Stroy
 Herbert Stroy
 Hermine Joanne Sturmer
 Anna Marie Weller
 Isabelle Geneva Westlake

GENERAL INFORMATION

549

Robert Milton Lee
Doris Harriet Lichtensteiger
Bruce Lyon

Ashley Williams
Frieda Selma Wunderlich

SUMMER SESSION

Alice Dee
Maude Hermance

Maurine Thomas

THE ELEMENTARY STATE TEACHERS CERTIFICATES FOR GRADUATES OF THE SCHOOL OF AGRICULTURE—12

Etta Alice Bever
Hilda Maxine Clausen
Irene Evelyn Conneally
Ruth Hannah Crain
Ruby May Faulhaber

Arvilla Louise Kleine
Genevieve Morris
Metta Blanche Nelson
Bernice Stubbs
Gertrude Marie Weller

SUMMER SESSION

Julia Lavinia Jacoby

Maude Elaine Thompson

THE ELEMENTARY STATE TEACHERS CERTIFICATES FOR GRADUATES OF THE TEACHERS COLLEGE HIGH SCHOOL—23

Esther Gertrude Abbott
Bertha E. Andrews
Esther Beatrice Bolar
Helen Clegg
Lula Orpha Edwards
Harry Eisele
Mathilda Christine Johnson
Gertrude Frances Lee
Elva May McWilliams

Clara Mary Megee
Esther Martha Mills
Jessie Helen Moore
Zelda Leora Nelson
Sarah Esther Perrin
Edith Marie Piersol
Ada Anna Stech
Claire Stroy
Isabelle Geneva Westlake

SUMMER SESSION

Maude Hermance
John Roach Roberts
Maurine Thomas

Anna Maria Weller
Frieda Selma Wunderlich

STATE MILITARY COMMISSIONS—22

UNIVERSITY

Lieutenant Colonel—Albert Jackson Covert
Major—Ira David Beynon

Captains—Arthur William Ackerman, Everett John Althouse, Adolf Blunk,
Charles Millard Frey, Harold Frederick Holtz, Edward Lowell
Liebendorfer, Haro'd Philip Morgan, James Herbert Pierce, Ray-
mond June Saunders, John Bergman Stoddart, Harold Barnard
Whitfield

First Lieutenants—McKinley Frasier Clark, Fred Garrison, Charles Edwin Glasser,
Arthur Bayard Mickey, Bohuslav Joseph Novotny, William
Alfred Schumacher, Ralph Leroy Theisen.

Second Lieutenants—Earl Bruce Douglass, C. LeRoy Meisinger

SCHOOL OF AGRICULTURE

Major—Arthur Beebe Worthman

Captains—Haskle Dennis Boyer, Robert Stanley Corby, William Allen
Morris, Walter Arthur Nelson, Richard Franklin Rowe

First Lieutenants—Earle Everett Humphries, Harley Nelson, Reinhold Witt, Nor-
man Paul Ziemann

Second Lieutenants—George William Boydston, William Weller Hoagland, Novia
Veach Preston, Joshua Andrew Ring, Wayne West Rolofson,
Roy Franklin Steinhoff

GRADUATE STUDENTS IN 1917-1918

Candidates for the Degree of Doctor of Philosophy

Andersen, Emma Nathalia.....	Lincoln
A. B. 1910, A. M. 1913, The University of Nebraska	
Botany	
Bradbury, Ora Clare.....	Lincoln
B. Sc., 1914, Ottawa University; A. M. 1915, The University of Nebraska	
Zoology, Botany	
Burrage, Dwight Grafton.....	Crete
A. B. 1897, A. M. 1899, Amherst College	
Greek, Latin, Sanskrit	
Clark, Letta May.....	University Place
A. B. 1905, Nebraska Wesleyan University; A. M. 1913, The University of Nebraska	
English Language and Literature	
Crago, Alfred.....	Lincoln
A. B. 1905, A. M. 1915, The University of Nebraska	
Education, Philosophy, Political Science	
Cromwell, Richard Oliver.....	Lincoln
A. B. 1912, The University of Nebraska; M. S. 1916, North Carolina College of Agriculture	
Plant Pathology and Physiology, Botany, Agricultural Chemistry	
Fitzpatrick, Thomas J.....	Bethany
B. Sc. 1893, A. M. 1895, Iowa State College	
Botany	
Fulk, Joseph Richard.....	Lincoln
A. B. 1903, A. M. 1912, The University of Nebraska	
Education, Philosophy, Sociology	
Fulmer, Clark Adelbert.....	Lincoln
Ph. B. 1898, Nebraska Wesleyan University; A. M. 1910, University of Nebraska	
Education, Philosophy, Political Science	
Hannah, Margaret Louise.....	Tilden
A. B. 1907, A. M. 1913, The University of Nebraska	
Botany	
Howie, Ethel Lee.....	York
A. B. 1906, A. M. 1914, The University of Nebraska	
European History, English Literature	
Hughes, Gwendolyn.....	Lincoln
A. B. 1916, A. M. 1917, The University of Nebraska	
Political Science and Sociology, Economics	
Kiesselbach, Theodore Alexander.....	Lincoln
A. B. 1906, B. Sc. 1908, A. M. 1912, The University of Nebraska	
Botany	
Klotzsch, Ernest Heinrich.....	Lincoln
Certificate 1899, Leipsig Gymnasium; A. M. 1916, The University of Nebraska	
Greek, Sanskrit	

ROSTER OF STUDENTS

551

Leffler, Millard Charles.....	Lincoln
B. E. 1914, Peru State Normal; A. M. 1916, The University of Nebraska Education, Philosophy, Political Science and Sociology	
Long, Maurice Blaine.....	College View
B. Sc. 1917, The University of Nebraska Physics, Chemistry, Mathematics	
Maitani, Hikojiro.....	Lincoln
A. B. 1913, University of Denver; A. M. 1916, The University of Nebraska Jurisprudence and Public Law, American History	
Noll, William Clarence.....	Toledo, Iowa
A. B. 1911, York College; A. M. 1915, The University of Nebraska Zoology	
Noyes, Bessie.....	Lincoln
A. B. 1911, A. M. 1914, The University of Nebraska Zoology	
Parsons, Susanne Ring.....	Lincoln
B. Sc. 1914, A. M. 1915, The University of Nebraska Zoology, Chemistry	
Reed, Albert Alison.....	Lincoln
A. B. 1898, A. M. 1912, The University of Nebraska Education, Philosophy	
Reinsch, Frank Herman.....	College View
A. B. 1909, A. M. 1912, The University of Nebraska Germanics	
Runge, Lulu Lillian.....	Lincoln
A. B. 1905, A. M. 1909, The University of Wisconsin Mathematics, Education	
Shirk, Claude Joseph.....	University Place
A. B. 1901, McPherson College; A. M. 1902, University of Chicago Botany, Zoology	
Söwell, James William.....	Omaha
A. B. 1900, A. M. 1903, Gallaudet College English Literature, Education, Philosophy	
Ward, Nell Marguerite.....	Lincoln
B. Sc. 1913, A. M. 1915, The University of Nebraska Zoology	
Wooster, Margaret.....	Silver Creek
A. B. 1913, A. M. 1915, The University of Nebraska Philosophy, Germanics, English Language and Literature Candidates for the Degree of Master of Science	
Cooper, John Ralph.....	Lincoln
B. Sc. 1912, Kansas Agricultural College Plant Pathology, Horticulture	
Ingersoll, Arthur William.....	Lincoln
B. Sc. 1917, The University of Nebraska Agricultural Chemistry	
Keim, Franklin David.....	Lincoln
B. Sc. 1914, The University of Nebraska Agronomy	

Candidate for the Degree of Master of Science in Agricultural Engineering

- Wirt, Frederick Alfred.....Manhattan, Kansas
 B. Sc. in Civil Engineering 1913, The University of Nebraska
 Agricultural Engineering

Candidates for the Degree of Master of Arts

- Abbott, Roscoe Conklin.....Wood River
 B. Sc. 1910, The University of Nebraska
 Chemistry
- Adams, Frank Flanders.....Lincoln
 B. E. 1912, Peru State Normal
 Education, Philosophy
- Adson, Alfred Washington.....Rochester, Minn.
 B. Sc. 1912, The University of Nebraska; M. D. 1914, University of Pennsylvania
 Zoology
- Anderson, Alberta Beck.....Lincoln
 A. B. 1909, The University of Nebraska
 Political Science and Sociology, Philosophy
- Anderson, Andrew Emmett.....Lincoln
 B. Sc. 1912, The University of Nebraska
 Animal Husbandry
- Anderson, Arthur.....Oxford
 B. Sc. 1916, The University of Nebraska
 Agronomy
- Anderson, Mary Annette.....Lincoln
 A. B. 1915, The University of Nebraska
 English Language and Literature, Education
- Anderson, Mildred Johanna.....Milford
 A. B. 1914, The University of Nebraska
 English Literature, Education
- Anderson, Rose Gustava.....Gothenburg
 A. B. 1917, The University of Nebraska
 Philosophy, Education
- Apperson, Catherine LaMaster.....Lincoln
 A. B. 1915, The University of Nebraska
 Romance Languages
- Arenson, Saul Bryan.....Lincoln
 Ph. C. 1916, B. Sc. 1917, The University of Nebraska
 Chemistry
- Ash, Irwin Oda.....Middlebourne, W. Va.
 A. B. 1914, West Virginia University
 Education
- Aygarn, Edwin.....Choice, Minn.
 A. B. 1908, The University of Minnesota
 Political Science, American History
- Bigelow, Clarence Ray.....Harrison
 A. B. 1917, The University of Nebraska
 American History
- Bigglestone, Ruth Rieke.....Lincoln
 A. B. 1914, Morningside College
 English Language and Literature, Education
- Bishop, Frank Edward.....University Place
 A. B. 1916, Nebraska Wesleyan University
 Agronomy

ROSTER OF STUDENTS

553

Bodwell, Edwin John.....	Lincoln
B. Sc. 1888, Dartmouth College Education	
Bothwell, Jean Batham.....	University Place
A. B. 1916, Nebraska Wesleyan University European History	
Bowers, Charles Arthur.....	York
A. B. 1913, York College Political Economy, Education	
Boyd, Ralph Woodside.....	Fremont
B. Sc. 1916, Coe College Chemistry	
Bradford, Harry Elwyn.....	Lincoln
A. B. 1904, The University of Nebraska Education, Animal Husbandry	
Brock, Anna Celestine.....	Bethany
A. B. 1915, Cotner University Education	
Brower, Mary Letitia.....	Fullerton
A. B. 1908, The University of Nebraska European History	
Brownell, Louise Barker.....	Lincoln
A. B. 1916, The University of Nebraska Botany	
Burgess, Edith.....	Bethany
A. B. 1913, Cotner University Education, English Language and Literature	
Burkart, Anna Driver.....	Lincoln
A. B. 1917, The University of Nebraska Philosophy, English Literature	
Burnett, Jerome Benjamin.....	Norman, Oklahoma
B. Sc. 1916, The University of Nebraska Geology	
Byers, Earl Alexander.....	Atchison, Kansas
A. B. 1916, Midland College Germanics	
Carey, Nellie Mary.....	University Place
A. B. 1915, Nebraska Wesleyan University English Language and Literature, Education	
Chung, Henry.....	Kearney
A. B. 1917, The University of Nebraska Political Science and Sociology, Philosophy	
Claar, Charles Edward.....	Petersburg
A. B. 1917, The University of Nebraska Education, Philosophy	
Clark, Grace Maria.....	Lincoln
A. B. 1907, The University of Nebraska Education, Political Science and Sociology	
Craft, Magdelene.....	Tecumseh
A. B. 1916, The University of Nebraska Germanics	
Culler, Charles Linden.....	Lincoln
A. B. 1917, The University of Nebraska Political Science and Sociology	

Damsgard, Lincoln Clarence.....	College View
A. B. 1913, Union College	
Physics	
Dayton, Mabel Alice.....	Wayne
A. B. 1904, The University of Nebraska	
Education	
DeLong, Alton Harrison.....	Watertown, S. D.
B. Sc. 1914, The University of Nebraska	
Education	
Dilworth, Cora Williams.....	Lincoln
A. B. 1916, The University of Nebraska	
Romance Languages, Education	
Donaldson, James Cook.....	Lincoln
B. Sc. 1910, Drake University	
Education, Philosophy	
Dow, Donald Benedict.....	Elwood
B. Sc. 1917, The University of Nebraska	
Chemistry	
Epperson, Beulah McCaw.....	Lincoln
A. B. 1915, The University of Nebraska	
English Literature	
Fate, John Edgar.....	Lincoln
B. Sc. 1917, The University of Nebraska	
Political Science	
Faulhaber, Marie Helen.....	Lincoln
A. B. 1915, Nebraska Wesleyan University	
Education, Philosophy	
Fenlon, George Louis.....	Trinidad, Colorado
A. B. 1908, The University of Nebraska	
American History	
Ferguson, Ollie Wayman.....	Lincoln
B. Sc. 1903, Ohio State University	
Political Science	
Fowler, Sadie Lenore.....	Bellevue
A. B. 1903, The University of Nebraska	
English Literature, Education	
Frum, Mary Alice.....	Shelby, Ind.
A. B. 1910, The University of Nebraska	
American History, Education	
Fulton, Arthur Joseph.....	College View
B. Sc. 1898, Union College	
Political Science, Education	
Giles, George Herbert.....	Wilsonville
A. B. 1917, The University of Nebraska	
Botany	
Gray, Viola.....	Lincoln
A. B. 1902, The University of Nebraska	
English Literature	

ROSTER OF STUDENTS

555

Green, Lucy Garrison.....	Lincoln
A. B. 1898, The University of Nebraska	
American History, English Language and Literature, Political Science and Sociology	
Gregory, Annadora Foss.....	Crete
A. B. 1915, Doane College	
American History, Education	
Grewe, Emily Helen.....	Chadron
A. B. 1917, The University of Nebraska	
Chemistry	
Haag, Grace Clarabelle.....	Clay Center
A. B. 1915, The University of Nebraska	
English Literature, Education	
Hager, Walter Ellsworth.....	Lincoln
B. Sc. 1916, The University of Nebraska	
Physics	
Harman, Susan Emolyn.....	Peru
B. E. 1914, Peru State Normal; A. B. 1917, The University of Nebraska	
English Literature	
Heiser, Elizabeth Isabel.....	White, S. D.
B. Sc. 1917, South Dakota College of Agriculture	
American History	
Herrmann, Carl Christian.....	Lincoln
Ph. B. 1906, Iowa Wesleyan University	
Political Science	
Himes, Minnie Grinstead.....	Spokane, Wash.
A. B. 1917, Cotner University	
Sociology, English Literature	
Hudson, Roy William.....	Hayes Center
A. B. 1916, Nebraska Wesleyan University	
Physics	
Huwaldt, Edward.....	Omaha
A. B. 1913, The University of Nebraska	
Germanics	
Jeffrey, Harry.....	Bethany
A. B. 1918, Cotner University	
English Literature, Romance Languages	
Jenkins, Charlotte Louisa.....	Lincoln
A. B. 1916, The University of Nebraska	
Home Economics	
Johnson, Eleanor Moliere.....	Fort Smith, Arkansas
A. B. 1904, The University of Nebraska	
American History	
Johnson, Swén Oscar.....	Wahoo
A. B. 1908, Augustana College	
Chemistry	
Johnson, Tressa Beatrice.....	Lincoln
A. B. 1916, The University of Nebraska	
Philosophy, English Literature	

Kano, Hisanori.....	Tokio, Japan
A. B. 1916, Tokio Imperial University	
Farm Management, Agricultural Engineering, Animal Husbandry	
Kuhn, Ada Ruth.....	Lincoln
A. B. 1915, The University of Nebraska	
Political Science and Sociology	
Kunde, Margarete Meta Hedwig.....	Lincoln
A. B. 1917, The University of Nebraska	
Physiology	
Lampert, Emma Margaret.....	Lincoln
A. B. 1913, University of North Dakota	
Chemistry, Education	
Lanz, John Edward.....	Plymouth
A. B. 1916, The University of Nebraska	
Political Science, Education	
Lee, Yong Kiu.....	Ham-Heung, Korea
B. Sc. 1916, The University of Nebraska	
Chemistry	
Lefever, Rufus Harry.....	Miller
A. B. 1917, Lebanon Valley College	
Philosophy	
Lively, Charles Elson.....	Rushton
A. B. 1917, The University of Nebraska	
Political Science and Sociology, Education	
Lynch, James Eric.....	Lincoln
A. B. 1917, The University of Nebraska	
Zoology	
McComb, Walter Jay.....	College View
B. Sc. 1916, Union College	
American History	
McMahon, Clara Marguerite.....	Lincoln
A. B. 1916, The University of Nebraska	
English Literature	
Mandalian, Jacob Garabet.....	College View
A. B. 1916, Union College	
European History, English Literature	
Marrs, Ralph Merton.....	Baird
A. B. 1917, The University of Nebraska	
Sociology, Educational Theory and Practice	
Mathewson, Louise.....	Lincoln
A. B. 1915, The University of Nebraska	
Philosophy	
Mendenhall, Raymond Eli.....	Oskaloosa, Iowa
A. B. 1912, Penn College; A. M. 1916, Des Moines College	
Education	
Mickel, Clarence Eugene.....	Lincoln
B. Sc. 1917, The University of Nebraska	
Entomology	
Mogensen, Annie Martha.....	Fullerton
B. Sc. 1917, The University of Nebraska	
Botany	

ROSTER OF STUDENTS

557

Munson, Eunice Constance.....	Lincoln
A. B. 1917, The University of Nebraska Political Science, Education	
Neuman, Robert Reinhold.....	College View
A. B. 1916, Union College American Hisory	
Nielsen, Caroline Signe.....	Omaha
A. B. 1902, The University of Nebraska Germanics, Latin, Education	
Nordgren, August Edward.....	Pender
A. B. 1914, The University of Nebraska Chemistry	
Oblander, Paul Victor.....	Lincoln
A. B. 1917, Gymnasium, Newhausen, Switzerland European History	
Olsen, Ethel.....	Sioux City, Ia.
A. B. 1915, Morningside College English Literature, Education	
Partridge, Edwin Maynard.....	Omaha
B. Sc. 1916, The University of Nebraska Chemistry	
Phillips, Eva Fern.....	Beatrice
A. B. 1911, Bellevue College Education, American History	
Poska, Rebecca Ruth.....	Lincoln
A. B. 1911, The University of Nebraska English Language and Literature, Education	
Raub, Leo Gerard.....	Lincoln
A. B. 1916, Oberlin College Physics	
Reynoldson, Addie.....	St. Edward
A. B. 1904, The University of Nebraska American History, Education	
Rhoden, Beulah Richard Harold.....	Lincoln
A. B. 1916, The University of Nebraska Zoology	
Robinson, James Millard.....	Lincoln
B. Sc 1914, Wilberforce University Mathematics	
Roddy, Mary Elizabeth.....	Nebraska City
A. B. 1904, The University of Nebraska English Language and Literature, Education	
Rough, Emily Violet.....	Omaha
A. B. 1913, Nebraska Wesleyan University English Literature, Economics	
Rouse, Edwin Lincoln.....	Peru
A. B. 1910, Cotner University Education, Philosophy	
Rummons, Constance.....	Lincoln
A. B. 1916, The University of Nebraska Philosophy, Education, English Language and Literature	

Ryman, Eugene Miles.....	University Place
M. D. 1910, Creighton University Education, Psychology	
Schriever, Fred.....	Dakota City
A. B. 1914, Morningside College Germanics	
Scott, Birdie Grace.....	Lincoln
A. B. 1906, The University of Nebraska English Literature, Education	
Severin, Richard Otto.....	Adams
A. B. 1911, The University of Nebraska Education, Political Science	
Shaffer, Elizabeth Mary.....	David City
A. B. 1910, The University of Nebraska English Literature, Education	
Shanek, Bertha.....	Odell
A. B. 1912, The University of Nebraska Slavonic	
Short, Mamie Frances.....	Lincoln
B. Sc. 1903, The University of Nebraska Philosophy, Education	
Showalter, Donald Fox.....	Buffalo, Mont.
A. B. 1916, The University of Nebraska Philosophy, Education	
Showalter, Ruth Stephenson.....	Lincoln
A. B. 1917, The University of Nebraska English Literature	
Snoeker, Frederick Amos.....	University Place
A. B. 1917, The University of Nebraska English Literature	
Spracher, Macy Lucretia.....	Cowles
A. B. 1912, Nebraska Wesleyan University Botany	
Staley, Alvah.....	Superior
A. B. 1901, The University of Nebraska Education	
Stander, Rachel.....	Louisville
A. B. 1915, Nebraska Wesleyan University English History, Education	
Stevens, Pearl Ray.....	Bethany
A. B. 1917, Cotner University Philosophy, Political Science	
Stevenson, Pearl.....	Auburn
A. B. 1904, The University of Nebraska English Literature, Education	
Stilwell, Charles Frizzell.....	Clarks
B. Sc. 1901, Nebraska Wesleyan University Education	
Sturmer, Anna Marie.....	Jansen
A. B. 1917, The University of Nebraska English Language and Literature, Education	

ROSTER OF STUDENTS

559

Swanson, Mabel Eleanor.....	Holdrege
A. B. 1908, The University of Nebraska Botany, Education	
Taylor, Florence Leo.....	College View
A. B. 1913, Union College Romance Languages, English Language and Literature	
Taylor, Olive Carrie.....	Loveland, Colorado
A. B. 1913, Union College English Literature	
Theisen, Henry Herbert.....	West Point
A. B. 1915, The University of Nebraska Education	
Therkelsen, Carrie Chmelka.....	Lincoln
A. B. 1914, The University of Nebraska American History	
Thomas, Ellamay Colvin.....	Bethany
B. Sc. 1912, Kearney State Normal English Literature, Educational Theory and Practice	
Thompson, Mildred Francis.....	Columbus
A. B. 1917, The University of Nebraska American History	
Towne, Jessie Margaret.....	Omaha
A. B. 1916, The University of Nebraska Greek	
Vines, Jacob Washington.....	Lincoln
A. B. 1915, Ottawa University American History, Education	
Vosacek, Frank Richard.....	Omaha
B. Sc. 1908, The University of Nebraska Education, Philosophy	
Vose, Leonard Owen.....	Lincoln
B. Sc. 1917, The University of Nebraska Agricultural Chemistry, Bacteriology	
Voss, Adolph Max.....	Lincoln
A. B. 1902, The University of Nebraska Education, Latin, German	
Waite, Dorothy Olivia.....	Lincoln
A. B. 1915, The University of Nebraska European History	
Ward, Ida Amine.....	Litchfield
A. B. 1914, The University of Nebraska English Literature, Education	
Waters, Winifred Belle.....	Lincoln
A. B. 1910, The University of Nebraska Latin	
Weber, Chris Oliver.....	Friend
A. B. 1916, The University of Nebraska Philosophy, Education	
Webster, Richard Orin.....	Lincoln
B. Sc. 1910, The University of Nebraska Bacteriology, Chemistry	

Wehrs, Cecelia Sophie.....	Milford
A. B. 1916, The University of Nebraska	
German	
Westhoff, James.....	Malvern, Iowa
A. B. 1916, Nebraska Wesleyan University	
English History, Education	
Williamson, Bessie Belle.....	Galesburg, Ill.
A. B. 1909, Lombard College	
Philosophy	
Wilson, Ira Glade.....	Peru
B. E. 1915, Peru State Normal	
English Language and Literature	
Winstrom, John Harry.....	Farragut, Iowa
A. B. 1916, The University of Nebraska	
English Literature, Education	
Wupper, Mary Magdalene.....	Lincoln
A. B. 1917, The University of Nebraska	
European History	
Graduate Students Without Reference to Degree	
Abel, Hazel Hempel.....	Lincoln
A. B. 1908, The University of Nebraska	
Ahrens, Ida Virginia.....	Sac City, Ia.
B. Sc. 1916, Iowa State College	
Alexis, Marjorie Odman.....	Lincoln
A. B. 1917, The University of Nebraska	
Baker, Amy Leota.....	Geneva
A. B. 1917, The University of Nebraska	
Beattie, Ethel Blanche.....	Lincoln
A. B. 1898, A. M. 1914, The University of Nebraska	
Bee, Lois Grace.....	Fairbury
A. B. 1917, The University of Nebraska	
Bentley, Rufus Clarence.....	Lincoln
A. B. 1894, A. M. 1895, The University of Nebraska; Ph. D. 1917, University	
of Illinois	
Berger, Dan Henry.....	York
A. B. 1917, York College	
Boomer, Alice.....	Fairview, Kansas
B. L. 1888, Ottawa University; Ph. B. 1898, Chicago University	
Brandt, Otto E.....	Beatrice
A. B. 1915, Doane College	
Brokaw, Eva June.....	Bethany
A. B. 1914, The University of Nebraska	
Brown, Sadie Reye.....	Minden
A. B. 1915, The University of Nebraska	
Bullock, Edna Dean.....	Lincoln
B. L. 1889, The University of Nebraska	
Butting, Herbert Robins.....	Lincoln
A. B. 1914, B. Sc. 1916, The University of Nebraska	

ROSTER OF STUDENTS

561

Burkart, Jacob.....	Lincoln
Theological Diploma 1895, St. Louis Theological Seminary	
Canfield, Sarah Wright.....	Tecumseh
A. B. 1916, The University of Nebraska	
Cass, Nell McIntosh.....	Lincoln
A. B. 1911, The University of Nebraska	
Chaikin, Annis.....	Lincoln
A. B. 1908, A. M. 1910, The University of Nebraska	
Clark, Ellen Elizabeth.....	Lincoln
A. B. 1906, The University of Nebraska	
Clark, Rose Bertha.....	Peru
A. B. 1904, The University of Nebraska	
Clark, Walter Cornelius.....	Bethany
A. B. 1917, Cotner University	
Cone, Edith May.....	Lincoln
B. Sc. 1915, The University of Nebraska	
Dale, Ellis Irene.....	Bethany
A. B. 1916, Cotner University	
Davis, Guy Russell.....	York
A. B. 1912, A. M. 1914, The University of Nebraska	
Davis, Minnie Ada.....	Denton
A. B. 1912, Nebraska Wesleyan University	
Dixon, Ruth Mabel.....	Bethany
A. B. 1916, Cotner University	
Dodds, Theodora.....	Beatrice
A. B. 1916, The University of Nebraska	
Doyle, Elizabeth Ann.....	Lincoln
A. B. 1917, The University of Nebraska	
Duncombe, Frances Evaline.....	Lincoln
A. B. 1897, The University of Nebraska	
Duras, Josephine Lucia.....	Lincoln
A. B. 1904, The University of Nebraska	
Eggleston, Olive Beatrice.....	Elgin
A. B. 1917, The University of Nebraska	
Embree, Arthur Lee.....	University Place
A. B. 1915, Nebraska Wesleyan University	
Ewing, Halle Laura.....	Lincoln
M. D. 1899, University of Michigan; A. B. 1911, A. M. 1912, The University of Nebraska	
Field, Edith Caroline.....	Lincoln
A. B. 1906, A. M. 1916, The University of Nebraska	
Findley, William Copley.....	Bellevue
A. B. 1914, Bellevue College	
Fosbury, Eva May.....	University Place
A. B. 1905, Nebraska Wesleyan University	
Frandsen, Mattie Madson.....	Lincoln
B. Sc. 1906, Iowa State College	
Fuchs, Gustave Otto.....	Stanton
A. B. 1912, The University of Nebraska	

Green, Dorothy.....	Lincoln
A. B. 1907, The University of Nebraska	
Green, Katherine Mills.....	Lincoln
A. B. 1906, The University of Nebraska	
Grewe, Frances.....	Menzel
A. B. 1917, The University of Nebraska	
Hagelin, Paul Albert.....	Wahoo
A. B. 1916, The University of Nebraska	
Hastings, Laura Elizabeth.....	Lincoln
A. B. 1906, The University of Nebraska	
Hayden, Mary Alice.....	University Place
A. B. 1915, Nebraska Wesleyan University	
Hellner, Anna Marie.....	Lincoln
A. B. 1914, University of Colorado	
Hewit, Emma Edna.....	Lincoln
A. B. 1910, The University of Nebraska	
Hewitt, Lucy Rockwood.....	Lincoln
A. B. 1909, The University of Nebraska	
Higgins, Edith Charity.....	Beatrice
A. B. 1915, The University of Nebraska	
Hills, Ruby.....	Sidney, Iowa
A. B. 1915, The University of Nebraska	
Himes, Minnie Grimstead.....	Spokane, Wash.
A. B. 1917, Cotner University	
Huebner, Julius.....	Emerald
Theological Certificate 1910, Breklum, Schleswig	
Hunter, Annamae.....	Lincoln
A. B. 1915, University of Denver	
Huston, Harry Edwin.....	Lincoln
B. Sc. 1917, The University of Nebraska	
Hyatt, Grace Thompson.....	Lincoln
A. B. 1897, The University of Nebraska	
Iddings, Florence Elizabeth.....	North Platte
A. B. 1917, Bryn Mawr	
Johnson, Frank F.....	Lincoln
B. Ph. 1896, Fairfield College	
Kellenbarger, Adele Mussette.....	Merna
A. B. 1916, The University of Nebraska	
Kellogg, Jessie May.....	Red Cloud
A. B. 1906, University of Washington	
Knotter, Gerardine.....	Stapleton
A. B. 1915, Drury College	
Kuns, David Raymond.....	Humboldt
A. B. 1912, York College	
Ladd, Sarah Avery.....	Lincoln
A. B. 1917, Wellesley College	
Linch, Leta Blanche.....	Lincoln
A. B. 1912, The University of Nebraska	
Lord, Gladys Malone.....	Lincoln
A. B. 1916, The University of Nebraska	

ROSTER OF STUDENTS

563

McIntosh, Grace.....	Lincoln
A. B. 1915, The University of Nebraska	
Machetzki, Paul Otto.....	Ponca
A. B. 1915, Midland College	
Mapes, Charles Boyd.....	Lincoln
B. E. 1917, Peru State Normal	
Matzner, Johann Gust Adolf.....	Lincoln
Theological Diploma 1902, Eden Theological Seminary	
Miller, Edith Margaret.....	Gibbon
A. B. 1915, The University of Nebraska	
Miller, Glen Eugene.....	Ravenna
A. B. 1916, The University of Nebraska	
Miller, Louise.....	Lincoln
A. B. 1903, A. M. 1905, The University of Nebraska	
Muir, Sarah Theodosia.....	Lincoln
A. B. 1900, A. M. 1906, The University of Nebraska	
Myers, Eda Bernice.....	Lincoln
A. B. 1907, The University of Nebraska	
Nelson, Clara Jeanette.....	Lincoln
A. B. 1914, A. M. 1916, The University of Nebraska	
Newbecker, Bernice Mitchell.....	Ord
B. Sc. 1916, Hastings College	
Oberlender, Vita Estelle.....	Normal
B. Sc. 1909, The University of Nebraska	
O'Brien, Ruth.....	Lincoln
B. Sc. 1914, A. M. 1915, The University of Nebraska	
O'Neill, Mabel Manwaring.....	Lincoln
A. B. 1914, Grinnell College	
Patterson, Sarah Etta.....	Lincoln
A. B. 1908, University of Missouri	
Patton, Mildred Merle.....	Fremont
A. B. 1913, The University of Nebraska	
Pegler, Ethel Artha.....	Lincoln
A. B. 1914, The University of Nebraska	
Perez-Guerra Consuelo.....	Bethany
A. B. 1917, Cotner University	
Pettis, Marian Hebard.....	Lincoln
A. B. 1914, The University of Nebraska	
Pool, Vera.....	Lincoln
A. B. 1916, The University of Nebraska	
Prokop, Rudolf Victor.....	Wilber
A. B. 1916, The University of Nebraska	
Read, Florence Alva.....	Merna
A. B. 1916, The University of Nebraska	
Ring, Penelope Patch.....	Lincoln
A. B. 1911, The University of Nebraska	
Rizk, Joseph J.....	Waverly
A. B. 1904, Girard Institute; M. D. 1914, Cotner University	
Roane, Ida Lucile.....	Lincoln
A. B. 1916, The University of Nebraska	
Rokahr, Elsie Katherine.....	Lincoln
A. B. 1910, The University of Nebraska	

Rowell, Eugene Clark.....	College View
A. B. 1914, Union College; A. M. 1916, The University of Nebraska	
Savage, Lottie Luella.....	Lincoln
A. B. 1914, The University of Nebraska	
Schulte, Regina Bernardine.....	Lincoln
A. B. 1911, The University of Nebraska	
Scott, Aurelia Marion.....	Lincoln
B. Sc. 1913, The University of Nebraska	
Scott, Robert Douglas.....	Lincoln
B. Sc. 1904, Kansas State Agricultural College; A. M. 1910, The University of Nebraska	
Shagool, John Walter.....	Bethany
A. B. 1914, Cotner University	
Smith, Edwin Erwin.....	Bethany
A. B. 1907, Cotner University	
Smith, Lulu Harding.....	Bethany
A. B. 1906, Cotner University	
Snell, Hazel Frost.....	Lincoln
A. B. 1912, A. M. 1917, The University of Nebraska	
Staton, Ida Estella.....	Lincoln
A. B. 1915, University of Kansas	
Stewart, Owen Pressley.....	Lincoln
B. Sc. 1902, Nebraska Wesleyan University	
Stufft, Clella.....	Fairfield
A. B. 1916, The University of Nebraska	
Sullivan, Alma Leona.....	Broken Bow
A. B. 1912, The University of Nebraska	
Taylor, Albion Guilford.....	College View
A. B. 1915, Highland Park College	
Taylor, Sara Vore.....	Omaha
A. B. 1896, The University of Nebraska	
Taylor, Sarah Elizabeth.....	Lincoln
A. B. 1898, The University of Nebraska	
Thurston, Henry Winfred.....	Lincoln
B. Sc. 1915, University of Illinois	
Vail, Nellie Antoinette.....	Lincoln
A. B. 1909, The University of Nebraska	
Van Buskirk, Besse A.....	Merna
A. B. 1911, Cotner University	
Walker, Florence.....	University Place
A. B. 1911, Nebraska Wesleyan University	
Wallace, Dorothy E.....	Lincoln
A. B. 1917, The University of Nebraska	
Warner, Fern Lymania.....	Lewellen
B. Sc. 1917, Hastings College	
Wiese, Helen Dinsmore.....	Lincoln
A. B. 1913, The University of Nebraska	
Wild, Idyl Gladys.....	Wilber
A. B. 1916, The University of Nebraska	
Wilder, Clem.....	Cortland
A. B. 1915, University of Indiana	
Wood, Eva Viola.....	Gibbon
A. B. 1917, Grand Island College	
Wood, Wilma Melvina.....	Lincoln
A. B. 1908, The University of Nebraska	
Wright, Mary Elizabeth.....	University Place
A. B. 1914, Nebraska Wesleyan University	

1917-18

ROSTER OF STUDENTS IN THE COLLEGES¹

Standing granted on the basis of

- (1) Baccalaureate Degree, (2) Thirty "Entrance Points" (Complete) or Twenty-eight "Entrance Points" (Conditional) entrance to Freshman Standing, (3) "Adult Special" registration (At least twenty-one years of age).

Abbreviations

Letters indicate college and figures indicate year.

A—College of Arts and Sciences; C—School of Commerce; CA—College of Agriculture; E—College of Engineering; Ed—Graduate School of Education; FA—School of Fine Arts; G—Graduate College; L—College of Law; M—College of Medicine; P—College of Pharmacy; T—Teachers College; U—Unclassed, or "Adult Special."

Name	College and Year	Home Address
Abbott, Arline Sarah.....	A 1.....	Omaha
Abbott, Doris Lorna.....	A 1 (THS).....	David City
Abbott, Maurice Edgar.....	A 1.....	Lincoln
Abbott, Roscoe Conklin.....	G.....	Wood River
Abel, Mrs. George.....	G.....	Lincoln
Abraham, Stella.....	A 2.....	Omaha
Achterberg, Leonard Edward.....	A 1.....	Lincoln, Kans.
Ackerman, Dorothy Elizabeth.....	A 1, C (THS).....	Ainsworth
Acton, Frank.....	E 1.....	Liberty
Acton, Fred.....	E 2.....	Liberty
Acton, Virgil Scott.....	E 1.....	Torrington, Wyo.
Adams, Charles Robert.....	E 1.....	Fairbury
Adams, Esther Amanda.....	A 1.....	Waverly
Adams, Florence.....	Au, (S).....	Lincoln
Adams, Frank Flanders.....	G, Ed, (S).....	Lincoln
Adams, Georgian.....	A 4, T 4.....	Lincoln
Adams, Jeannette Ione.....	A 3, T 3.....	Eagle
Adams, Lillian Wilhelmina.....	A 1.....	Waverly
Adams, Mildred Lorraine.....	A 1.....	Belle Plaine, Ia.
Adams, Robert Harrold.....	A 2, (M).....	Sac City, Ia.
Adamson, Dorothy Evangeline.....	A 4, T 4.....	Lincoln
Addleman, Genevieve Christina.....	A 2, FA.....	Hastings
Adkins, Richard Franklin.....	A 3.....	Lincoln
Adson, Alfred Washington.....	G.....	Rochester, Minn.
Agaton, Anacleto Ernesto.....	A 4, L 1.....	Santo Domingo, Nueva Ecija, P. I.
Agee, Clara Elizabeth.....	Au.....	Superior
Ahrens, Ida Virginia.....	G.....	Sac City, Ia.
Aikman, Cornelius Howard.....	A 1.....	Hastings
Ainlay, George William.....	Au, (THS).....	Farnam
Aitken, William Inglis.....	A 4, L 1.....	Lincoln
Aker, Meyrtle Christina.....	CA 3.....	Harvard

¹Immediately following this roster appear the names of students registered primarily in a secondary school or in University Extension work. No name appears on more than one roster. For definition of letters in parentheses, see second roster immediately following, except that (M) indicates an Academic-Medical student.

Name	College and Year	Home Address
Aker, Meyrtle Christina.....	A 1, (S).....	Harvard
Albert, Edward Cyril.....	A 1.....	Wahoo
Albrecht, Henry George.....	A 1, C.....	Lincoln
Albright, Robert Edwin.....	A 1, (S).....	Lincoln
Alden, Helen Alice.....	CA 1.....	North Platte
Alden, Jeanette.....	A 3, T 3, (S).....	Lincoln
Alexander, David Hamilton.....	CA 1.....	Hayes Center
Alexander, David Shepard.....	Au, (THS).....	Chicago, Ill
Alexis, Marjorie Odman.....	G.....	Lincoln
Alexis, Tekla Ida Louise.....	A 3, T 3, (S).....	Lincoln
Algorta, David.....	M 1.....	Lima, Peru
Allbee, Alice Belle.....	A 3, (S).....	North Platte
Allen, Alice Linna.....	A 2, T 2.....	Omaha
Allen, Anna B.....	Au, (S).....	South Auburn
Allen, Charles Harrington.....	A 2, (S).....	Petersburg
Allen, Ruby Glyde.....	A 1, (S).....	Nebraska City
Allen, George Washington.....	A 4, T 4, (S, Ex).....	Rifle, Colo.
Allen, William Harold.....	A 2.....	Newport
Allen, Mina Grace.....	CA 3, T 3, (S).....	Clay Center
Allen, Helena Holden.....	A 1.....	Schuyler
Allensworth, Mary Helen.....	A 3, T 3.....	Lincoln
Allerton, Roy P.....	M 1.....	Central City
Alley, William McKinley.....	A 1.....	Omaha
Almquist, Carl Oscar.....	A 1, (M).....	Loomis
Almy, Ardis Marie.....	A 1.....	Greenwood
Amana, Alfred.....	A 1.....	Honolulu, T. H.
Amick, Carl Gideon.....	A 3, M 1.....	Loup City
Amos, Ailsa Belle.....	CA 3.....	Sargent
Anderson, Alberta Beck.....	G.....	Lincoln
Anderson, Allen B.....	M 1.....	Pawnee City
Anderson, Allen Emil.....	E 1.....	Blair
Anderson, Andrew Emmett.....	G, (Ex).....	Lincoln
Anderson, Arlo Albert.....	A 1, C, (THS).....	Wilsonville
Anderson, Arthur.....	G.....	Oxford
Anderson, Arthur W.....	M 1.....	Gothenburg
Anderson, Clare Raymond.....	A 3, M 1.....	Omaha
Anderson, Dorothy.....	A 2.....	Boise, Ida.
Anderson, Earl Leslie.....	A 1, C.....	Bertrand
Anderson, Edith Marie.....	A 4, T 4, (THS).....	Lincoln
Anderson, Emil Henry.....	A 3, (M).....	Rising City
Anderson, Emma Nathalia.....	G, (Ex).....	Lincoln
Anderson, Evelyn Mary.....	A 4, T 4, (THS).....	Wausa
Anderson, Frances.....	A 1.....	Wahoo
Anderson, Frank Russell.....	A 1, (M).....	Lincoln
Anderson, Glen.....	Au, FA, (S, THS).....	Pibel Lake
Anderson, George W.....	Au, (Ex).....	Weston
Anderson, Harold Irvin.....	E 2.....	York
Anderson, Harold Roscoe.....	L 2.....	Valentine
Anderson, Harriet Fidelia.....	4 P 4.....	Genoa
Anderson, Lester H.....	A 1.....	Nebraska City
Anderson, Lillian Amanda.....	A 1.....	Gothenburg
Anderson, Mary Annette.....	G, Ed, (S).....	Lincoln
Anderson, Mildred Johanna.....	G, Ed, (S).....	Milford
Anderson, Myron.....	A 1, C, (THS).....	South Omaha

ROSTER OF STUDENTS

567

Name	College and Year	Home Address
Anderson, Paul A.....	Au.....	University Place
Anderson, Paul Franklin.....	A 1.....	Lincoln
Anderson, Ralph Earl.....	A 4.....	Genoa
Anderson, Rose Gustava.....	G, Ed.....	Gothenburg
Anderson, Russell Carl.....	A 1, C.....	Genoa
Anderson, Ruth Matilda.....	A 2, (Ex).....	Kearney
Anderson, Vern.....	A 1, (M).....	Bassett
Andresen, Ezra.....	E 4.....	Omaha
Andrew, Earl Cranston.....	Au.....	Inwood, Ia.
Andrew, Thomas William.....	A 1.....	Pueblo, Colo.
Andrews, Luther Gilbert.....	A 1, C.....	Lincoln
Andrews, Lyman Henry.....	A 4.....	Morrill
Angell, Charles James.....	L 3.....	Ulysses
Angell, Wm. Henry.....	CA 2.....	Ulysses
Angle, Edward Everett Deputron.....	A 4, M 1.....	Lincoln
Ankeny, Faustina.....	A 1.....	Corning, Ia.
Anthes, Oliver.....	A 3, (S).....	Sutton
Antonides, Florence Amy.....	Au, (S).....	North Platte
Antrim, Susie Elizabeth.....	A 2, T 2.....	Randolph, Ia.
Apperson, Catherine LaMaster.....	G.....	Lincoln
Apperson, Sarah Virginia.....	A 3, T 3.....	Lincoln
Applegate, Otis Dewey.....	A 2, C.....	Gibson
Appleman, Bertha Marie.....	CA 4, T 4, (S).....	Alvo
Appleman, Gladys Marguerite.....	A 3, FA.....	Alvo
Arbuckle, Alta Carew.....	A 4, (S, Ex).....	York
Arendt, Lillian Margaret.....	A 3.....	Lincoln
Arenson, Saul Bryan.....	G.....	Lincoln
Armstrong, Paul Everett.....	A 3, C.....	Randolph, Ia.
Arnold, Doris Cornelia.....	A 3, FA.....	Excelsior Springs, Mo.
Arnold, Henry J.....	A 4, (S).....	Sterling
Arnold, Walter Bryan.....	E 2.....	Atlantic, Ia.
Arons, Solomon.....	CAu, (S).....	Lincoln
Arterburn, Wilda LaVaugne.....	A 1, (THS).....	Lincoln
Ash, Irvin Oda.....	G, Ed, (S).....	Middlebourne, W. Va.
Ashbrook, Harriette Cora.....	A 2, (THS).....	Mitchell
Ashby, John Sherman.....	A 2, (S).....	Fairmont
Assenmacher, Frances Ann.....	A 2, T 2.....	Lincoln
Atkins, Auburn Hugh.....	CA 1.....	Bridgeport
Atkins, Felicia Locke.....	CA 1, (S).....	Stanton
Atkinson, Charles Ernest.....	CA 1.....	Pawnee City
Atkinson, Hugh F.....	CAu.....	Lincoln
Atwood, Florence Johnston.....	CA 4, (Ex).....	Beaver City
Atwood, Georgia Fay.....	A 3, (Ex).....	Brunswick
Atwood, Henry Smith.....	A 1, (S).....	Elliott, Ia.
Atwood, Ida May.....	Au.....	Washington, Kans.
Austin, Fuller Luzern.....	A 1, C.....	Lincoln
Axtell, Marguerite Gladys.....	A 3, C, (THS).....	Ingham
Aygarn, Edwin.....	G, (S).....	Elkhorn
Aylesworth, Beulah Jean.....	A 1.....	Denison, Ia.
Babbitt, Eunice.....	Au.....	North Platte
Babeock, Elizabeth.....	A 2, T 2, (S).....	Lincoln
Babeock, Oscar True.....	A 2.....	North Loup
Babeock, Ruth E.....	Au, (Ex).....	Lincoln
Back, Winnifred Bishop.....	CA 4, T 4, (S).....	Gothenburg

Name	College and Year	Home Address
Backes, Albert George.....	A 1.....	Omaha
Baer, Howard Byron.....	A 3, M 1.....	Stanton
Baer, James Garret.....	CA 1.....	Pawnee City
Bahr, Vivian Mae.....	A 3, (S).....	Broken Bow
Bailey, Edward Wesley.....	Au.....	Bethany
Bailey, Daisy W.....	Au.....	Bethany
Bailey, Elmore Russell.....	A 2, (M).....	Omaha
Bailey, Louis Dale.....	E 1.....	Ord
Bailey, Louise Sharrard.....	CA 3, T 3.....	Omaha
Bailey, Russell Muriel.....	A 1.....	Carleton
Baily, Amy Blanche.....	Au.....	Bertrand
Baird, Barbara.....	A 3.....	Lincoln
Barge, Catherine Helen.....	A 1.....	Central City
Baker, Amy Leota.....	G, (S).....	Geneva
Baker, Burges Bruce.....	A 2, (M).....	Curtis
Baker, Edna Claire.....	Au, (Ex).....	Kenesaw
Baker, Esther Lourilla.....	A 1, (S).....	Cook
Baker, Irene Elizabeth.....	A 3, T 3, (S).....	Lincoln
Baker, Maude Louie.....	A 1, (S, THS).....	Atlanta
Baker, Nina Saxton E.....	A 3, T 3.....	Lincoln
Baker, Stella Loretto.....	A 2, T 2, (S).....	Havelock
Balcom, Raymond D.....	M 2.....	Crete
Baldwin, Dorothy.....	Au.....	Lincoln
Bales, Ethel Orlena.....	A 1.....	Lincoln
Ballah, Arnette Mae.....	A 2, (S).....	Cambridge
Ballah, Ruth Ocean.....	A 3, T 3, (S, Ex).....	Cambridge
Bantin, Elmer Wm.....	M 4.....	Omaha
Barber, Hazel.....	CA 1.....	North Platte
Barge, Catherine Helen.....	A 1.....	Central City
Barker, James Hobart.....	A 3.....	Pawnee City
Barker, Paulus William.....	E 2.....	Rising City
Barnard, Hawley Neill.....	E 1.....	Superior
Barnes, Angelette.....	A 3.....	Holdrege
Barnes, Chester Dwight.....	A 3, M 1.....	Tecumseh
Barnes, Emma Louise.....	CA 2, T 2, (S, Ex).....	Gothenburg
Barnett, Frank Frees.....	L 2.....	McCook
Barney, Selma Otelia.....	A 1.....	Friend
Barrett, David Dean.....	A 2, C.....	Omaha
Barrett, Viola Anne.....	A 1, (M).....	Lawrence
Barron, Homer M.....	A 1, (M).....	Oconto
Barstow, Frances Isabella.....	CAu.....	Lincoln
Barstow, Marjorie Louise.....	A 1.....	Lincoln
Barton, John Leslie.....	L 3.....	Sundance, Wyo.
Bartunek, Leo Nelson.....	A 1.....	Ord
Barwick, Cynthia Thyra.....	Au, FA.....	Lincoln
Basten, Louis.....	A 1.....	Omaha
Bates, Bertha Clay.....	A 4, T 4, (THS).....	Lodge Pole
Bates, Doris D.....	A 2, T 2, (THS).....	Lodge Pole
Batie, Robert Edward.....	E 1.....	Ord
Batman, Anne Camilla.....	Au, (S).....	Nevada, Ia.
Baughan, Delma Iowa.....	A 1, (S).....	Waverly
Baughman, Lucile Claire.....	A 1, FA, (Ex).....	Griswold, Ia.
Baum, Jessie Jean.....	A 4, T 4.....	Lincoln
Bauman, Walter Michael.....	A 2, C, (THS).....	Grand Island

ROSTER OF STUDENTS

569

Name	College and Year	Home Address
Baumgartner, Conrad John Louis.....	A 1, (M).....	Murdock
Beacham, Cecil Lee.....	A 2.....	Lincoln
Beachler, Jennie.....	A 2, T 2.....	Scribner
Beachy, Fern Lydia.....	A 4.....	Carleton
Beal, Annabel Lucille.....	A 2, T 2.....	Broken Bow
Beal, Laura Margaret.....	Au, (S).....	Omaha
Beal, Mae Geraldine.....	CAu, (S).....	Omaha
Beall, Thomas Paul.....	Au, (S, Ex).....	Curtis
Beardslee, Elbert Clarence.....	A 4, (S).....	Lincoln
Beattie, Ethel Blanche.....	G, (S).....	Lincoln
Beattie, Leo R.....	A 1.....	Bethany
Beatty, Henry M.....	E 1.....	Lexington
Beaty, Howard.....	A 1, (S).....	Ashland
Beaumont, Gladys Norton.....	CA 3, (S).....	Lincoln
Beber, Meyer.....	A 1.....	Omaha
Bechter, Mary Genevieve.....	A 3.....	Pierce
Beck, Catherine Octavia.....	A 4, FA, (THS).....	Lincoln
Beck, Esther.....	A 3, (S).....	Lincoln
Beck, Gerald Henderson.....	M 1, (S, Ex).....	Gibbon
Beck, Marjorie Miller.....	Au, (Ex).....	Ditton, Mont.
Beck, Nels.....	E 1.....	Lincoln
Beckman, Edna Myrtle.....	A 3, T 3.....	Stromsburg
Bedell, Harold Leslie.....	A 1.....	Fairbury
Bedwell, Ivyl Clare.....	A 1, (M).....	Jefferson, Ia.
Bee, Lois Grace.....	G, (S).....	Fairbury
Beede, Clark Eli.....	M 4.....	Omaha
Beede, Ivan Granville.....	A 4.....	David City
Begley, Ruth Mary.....	CA 1.....	Springfield
Behrens, Elizabeth Vinita.....	A 2, T 2.....	Beemer
Beitel, Clara Faye.....	A 1.....	Wilcox
Bekins, Melvin.....	CA 1.....	Omaha
Bell, Bernice.....	A 2, (THS).....	St. Paul
Bell, Hazel Lillian.....	A 1.....	York
Bell, Leon Ralph.....	A 1, (M).....	Fairfield
Bell, Lyman Grear.....	E 2.....	Tecumseh
Benesch, Ella Marie.....	Au.....	Octavia
Benesch, Martha Arlene.....	A 1.....	Octavia
Benjamin, Ada Julia.....	Au.....	Arapahoe
Benner, Catherine Ruth.....	A 2, FA.....	Lincoln
Bennett, Abram Elting.....	A 3, M 1.....	Alliance
Bennett, Elinor Marcia.....	A 3, T 3.....	Lincoln
Bennett, Glenn Nelson.....	CA 1.....	Belgrade
Bennett, Hope Carmel.....	CA 1.....	Neligh
Bennett, Thomas Wade.....	4 P 2, (S).....	Surprise
Bennison, Isabel.....	CA 2, T 2.....	Lincoln
Benson, Earl Cotton.....	E 1.....	Randolph
Benson, Florence Edith.....	Au.....	South Omaha
Bentley, Mable Irene.....	A 3.....	Morrill
Bentley, Rufus Clarence.....	G, Ed, (S).....	Palo Alto, Calif.
Bentz, Ethel Fern.....	CA 4, T 4.....	Fairfield
Berger, Dan Henry.....	G, (S).....	York
Bergman, Clarence G.....	A 1.....	Kimball
Bergquist, Roy E.....	CA 3.....	Atlanta
Berlet, Eloise.....	A 1.....	Lincoln

Name	College and Year	Home Address
Bernard, Sister M.....	Au, (S, Ex).....	Spalding
Berquist, Ida Eleanor.....	Au, (M), (S, THS).....	Lincoln
Berry, Bard.....	M 1.....	Avoca, Ia.
Berry, Jane Olive.....	A 1, (S).....	Seward
Berry, Lillian.....	A 3, T 3.....	Lincoln
Berry, Maud.....	Au, (Ex).....	Lincoln
Berry, Myrtle Dixie.....	A 3.....	Lincoln
Berry, Ruth Evangeline.....	A 3, T 3.....	Lincoln
Berryman, Roy Bell.....	CA 1.....	Central City
Best, J. Warren.....	A 1, C.....	Omaha
Best, Russell Rolland.....	A 2, (M).....	Omaha
Bethune, Anna Helen.....	Au, (S).....	Lincoln
Bettis, Gertrude.....	A 2, T 2.....	St. Joseph, Mo.
Betzer, Clifford Reuben.....	A 3, (S).....	Douglas, Wyo.
Feverly, James Earl.....	A 1.....	Manhattan, Kans.
Beyers, Earl Alexander.....	G.....	Lincoln
Beynon, Alice Blodwen.....	A 2, T 2.....	Lincoln
Beynon, Ira D.....	L 3, (Ex).....	Lincoln
Beynon, Lizzie Hephzibah.....	A 4, T 4, (S).....	Lincoln
Biba, James.....	A 1, (M).....	Exeter
Bidgood, Orpha.....	CA 4, T 4.....	Wood Lake
Bigelow, Clarence Ray.....	G, (S).....	Harrison
Bigelow, Francis Dana.....	CA 3.....	Stuart
Bigelow, Lucretia.....	4 P 4.....	Denver, Colo.
Biggar, Agnes Julia.....	A 1.....	Corning, Ia.
Bigglestone, Ruth Rieke.....	G, (S).....	Lincoln
Birchall, Elva C.....	A 1.....	Hayes Center
Bishop, Bertha Lucile.....	A 1, (S).....	Bartlett
Bishop, Florence Marie.....	A 4, T 4.....	Central City
Bishop, Frank Edward.....	G.....	University Place
Bishop, Jane Chandler.....	CAu.....	Lincoln
Bishop, Myra Leslie.....	CA 2.....	Lincoln
Bishop, Opal Phyllis.....	CA 3, (S).....	Superior
Bishop, Richard Atley.....	A 1, (M).....	Bartlett
Bittner, John Paul.....	A 2, C.....	Osceola
Bjorkman, Helen Elizabeth.....	A 2, T 2.....	Lincoln
Black, Evelyn.....	CA 3, T 3, (S).....	Lincoln
Black, Helen.....	A 1, (S).....	Lincoln
Black, Howard Louis.....	E 2.....	Rushville
Black, Hugh Harvey.....	CA 2.....	Rushville
Black, Oswald Ragan.....	A 1.....	Lincoln
Blackman, Edgar B.....	CA 1.....	Beaver City
Blatchley, Miles Wesley.....	A 1.....	Kearney
Blau, Richard.....	Au, (Ex).....	Lincoln
Blessing, Frederick Leonard.....	A 1.....	Ord
Block, David Michael.....	A 1, (M).....	Lincoln
Block, Max.....	M 3.....	Omaha
Blomenkamp, Alvina Marie.....	A 3, T 3, (S).....	Hastings
Bloodgood, Nellie Maude.....	A 3, (S, Ex).....	Newark
Bloodhart, Helen.....	A 3, T 3.....	Bloomfield
Blunk, Ella.....	A 4, (S).....	Grand Island
Blunk, Walter C.....	A 3, C (S).....	Grand Island
Boberg, Harold.....	Au, (S, Ex).....	Aurora
Bockemuehl, Mark Edward.....	A 1.....	Cedar Bluffs

ROSTER OF STUDENTS

571

Name	College and Year	Home Address
Bodemer, Herman Charles.....	A 1, (M).....	Cozad
Bodwell, Donald Craighead.....	E 1.....	Lincoln
Bodwell, Edwin John.....	G, Ed.....	Lincoln
Bodwell, Marjory Gertrude.....	A 4.....	Lincoln
Bodwell, Rea Edson.....	A 2.....	Lebanon
Boenmer, Frank Charles.....	L 3.....	Lincoln
Boehmer, Marie Amanda.....	A 1.....	Lincoln
Boge, Anna Charlotte.....	A 2, (S).....	Harvard
Boggs, Allen McCowan.....	L 2.....	Lincoln
Boggs, Georgia Mae.....	A 3.....	Lincoln
Bogue, Edward Villars.....	2 P 1.....	North Platte
Bohner, Arthur William.....	E 1.....	Barneston
Bolton, Dan W.....	M 2.....	Lincoln
Bonaventure, Sister Mary.....	A 1, (S, Ex).....	Spalding
Bone, Avis N.....	A 2, (Ex).....	Fullerton
Bonekemper, Hedwig Elizabeth.....	CA 4, T 4, (S).....	Lincoln
Bonnell, Fay.....	CAu.....	Lincoln
Boomer, Alice.....	G, Ed, (S).....	Fairview, Kans.
Booth, Leah Elizabeth.....	CAu, (THS).....	Sunol
Booth, Lois Harriet.....	CA 1.....	Sunol
Borcharding, Earl Eugene.....	CA 3.....	Dunbar
Borchert, Ernest Frank.....	E 4.....	Holdrege
Borghoff, John Aloysius.....	M 2.....	Omaha
Bornschlegel, Walter A.....	A 2, (Ex).....	Lindsay
Boruch, Edwin Reginald.....	E 2.....	Elba
Boschult, Edgar Jacob.....	A 1, (S, Ex).....	Osmond
Bossemer, Alfreda Frances.....	CA 3, T 3.....	Superior
Boston, Zola Elizabeth.....	Au, FA.....	Lincoln
Boswell, John Shellman.....	Eu.....	Benkelman
Bothwell, Jean Batham.....	G.....	University Place
Bothwell, Mary Elizabeth.....	CAu.....	University Place
Botkin, Frances Rebecca.....	A 3, T 3.....	Lincoln
Boukather, John Kather.....	A 3.....	Lincoln
Bowen, Bess.....	Au, (S).....	Lincoln
Bowen, Elvon Forrest.....	A 1, C.....	Orchard
Bowen, Irma G.....	Au.....	Schenectady, N. Y.
Bowen, Frank Mullen.....	A 1, C.....	Lincoln
Bowers, Charles Arthur.....	G, Ed, (S).....	York
Bowers, Herschel Ewert.....	L 1.....	Verdon
Bowers, Mildred Lella.....	A 3.....	Verdon
Boyce, Henry Harold.....	A 4.....	Wayne
Boyce, Joseph Howard.....	A 1.....	Elmwood
Boyd, Fred Smiley.....	CA 1.....	Humboldt
Boyd, Lester Hayward.....	E 1.....	Dunbar
Boyd, LeVerne Mary.....	A 2, T 2, (THS).....	Central City
Boyd, Ralph Woodside.....	G.....	Fremont
Boyes, Lula.....	CA 1.....	Hebron
Boylan, Helen Arlene.....	A 1.....	Denison, Ia.
Bradbury, Ora Clare.....	G, (S).....	Lincoln
Bradford, Harry Elwyn.....	G, Ed, (S).....	Lincoln
Branch, Perry Waters.....	A 2, C.....	Lincoln
Brandt, Emelia Hanigsen.....	M 4.....	Omaha
Brandt, Otto E.....	G, (S).....	Beatrice
Brannon, Cozette M.....	A 3, (S).....	Lincoln

Name	College and Year	Home Address
Brazda, Adolph William	A 1, (M)	Dodge
Brazda, Daniel Steven	2 P 2, A 4	Dodge
Brazelton, Hildred	A 1	Quincy, Ill.
Brazelton, Irene	A 3, (Ex, THS)	Quincy, Ill.
Breese, Ada Fae	A 2	Lincoln
Brehm, Carl Henry	A 2	Sutton
Brehm, Harold Ernst	A 3	Talmage
Brehm, Ralph Carl	A 3	Talmage
Brenker, Arch Herman	A 3, C, (Ex)	Beatrice
Brennan, Thomas Joseph	A 1, (M)	O'Neill
Brethouwer, Ruth Louise	A 3, T 3, (S)	Unadilla
Breuer, Barbara	Au	Lincoln
Breuer, Roland George	M 4, (S)	Lincoln
Bricka, Howell Vincent	A 1	Lincoln
Bridenbaugh, Dewey G.	CA 2	Coleridge
Brigittine, Sr. M.	Tu, (Ex)	Lincoln
Brigham, Ruth	A 3, T 3	Whitewood, S. D.
Bright, George Fred	A 1	Lincoln
Bristol, Lawrence Benton	A 1, C	Ansley
Brittenham, Marietta Wemple	Au	Lincoln
Britton, Lester George	A 1	Alliance
Brock, Anna Celestine	G, Ed, (S)	Bethany
Brodhagen, Helen Rosa	A 2	Pierce
Brokaw, Eva June	G, (S)	Bethany
Brooks, Harry Glenn	E 4	Lincoln
Brooks, Josiah Alexander	E 1, (THS)	Lincoln
Brooks, Margaret Bell	CAu	Bethany
Brouse, Edgar Merl	CA 4, T 4	Stratton
Brower, Mary Letitia	G	Fullerton
Brown, Alice Maud	Au, (S)	Lincoln
Brown, Cyril Carroll	A 1	Fairmont
Brown, Everett Cleo	A 1	Valparaiso
Brown, Elizabeth	A 2	Lincoln
Brown, Elizabeth Allen	Au	New London, Mo.
Brown, Floyd Harned	E 1	Logan, Ia.
Brown, Geraldine	A 1, FA, (THS)	Cambridge
Brown, Gladys Marie	A 1, FA	Leavenworth, Kans.
Brown, Glenn D.	A 1	Lincoln
Brown, Henrietta	CA 1	Bartlett
Brown, Jessie Marguerite	Au, (S)	Grand Island
Brown, Paul Wilfred	A 1, (THS)	Council Bluffs, Ia.
Brown, Raymond Lindsey	2 P 2	Scottsbluff
Brown, Robert George	A 3, C	Sargent
Brown, Sadie Reye	G, (S)	Minden
Browne, Jesse Paul	4 P 4	Lincoln
Brownell, Louise Barker	G	Lincoln
Brownell, Mary Bigelow	A 1	Lincoln
Brownell, Samuel Miller	A 1	Lincoln
Brownfield, Lyda	Au, (Ex)	Cozad
Browning, Albert Nathan	CA 3	Hot Springs, S. D.
Brownson, Hollis Lee	M 2	Verdon
Bruman, Abraham Joseph	CA 4	Lincoln
Brundage, Anna Dew	A 4, T 4	Tecumseh
Bruner, William Edward	CA 1	Red Cloud

ROSTER OF STUDENTS

573

Name	College and Year	Home Address
Bryan, Deane Howard.....	CA 1.....	Sundance, Wyo.
Bryans, Wilson Dunlap.....	A 3, C.....	Omaha
Bryant, Donovan Kleon.....	L 1, (Ex).....	Hartington
Bryson, Richard P.....	A 2, C.....	Fullerton
Buch, Arthur Carl.....	E 1.....	Lincoln
Buchta, Alverta Henrietta.....	A 1.....	Osceola
Buchta, Verna Ruth.....	CA 2, T 2.....	Osceola
Buck, Emma Luella.....	CA 1.....	Dewitt
Buckendorf, Doris Julianna.....	CA 1.....	Norfolk
Buell, Bessie Evelyn.....	A 1.....	Grand Island
Buerstetta, Blanche.....	A 3, FA.....	Lincoln
Buerstetta, Fred Elmer.....	L 3.....	Tecumseh
Buffett, Clarence Duval.....	A 1.....	Omaha
Bullock, Edna Dean.....	G.....	Lincoln
Bunting, Herbert Robins.....	G, (S).....	Lincoln
Buntz, Alice.....	A 2, T 2.....	Shenandoah, Ia.
Burgess, Edith.....	G, Ed.....	Bethany
Burgess, Harold Dempster.....	L 2.....	Beatrice
Burkart, Anna Driver.....	G.....	Lincoln
Burkart, Jacob.....	G.....	Lincoln
Burke, Frances C.....	A 2.....	Peru
Burke, Katherine Vera.....	A 1.....	LaSalle, Ill.
Burke, Kenneth Ewart.....	CA 2.....	University Place
Burkett, Josephine Sarah.....	A 4, T 4.....	Lincoln
Burkett, Lenore Catherine.....	A 4, FA.....	Lincoln
Burkland, Esther Lucille.....	A 1, (THS).....	Sutherland
Burley, John Spencer.....	A 1, C.....	Ainsworth
Burley, Lovell Samuel.....	A 1.....	Ainsworth
Burman, Guy Elmer.....	M 4.....	Axtell
Burnard, Izetta Ramola.....	CA 3, T 3.....	York
Burnett, Earle Marvin.....	A 1.....	University Place
Burnett, Jerome Benjamin.....	G.....	Norman, Okla.
Burnham, Philip Smith.....	A 1, (M).....	Scottsbluff
Burns, Ernest Madison.....	A 3, M 1.....	Rifle, Colo.
Burns, Helen Ann.....	Au, FA, (Ex).....	Lincoln
Burns, Robert Elsmer.....	A 1.....	Alton, Ill.
Burrage, Dwight Grafton.....	G.....	Crete
Burroughs, Jean.....	A 4.....	Lafayette, Ind.
Burtless, Anna Catherine.....	A 1.....	McCook
Burton, Emily Clark.....	Au, (S).....	Arapahoe
Burton, Marguerite Enid.....	A 1.....	Clay Center
Busboom, Albert W.....	E 4, (Ex).....	Waverly
Bush, Edward Thaden.....	L 1.....	Tecumseh
Bushee, Helen Bernice.....	CA 2, T 2, (THS).....	Kimball
Bushnell, George Dewey.....	E 2.....	Lincoln
Bustard, Hazel Ruth.....	A 1, (S, Ex).....	Holbrook
Butcher, Bernice.....	A 1, (S).....	Wymore
Butler, Dorothy Gillis.....	CA 1.....	Geneva
Butler, Gareld Levi.....	Au.....	University Place
Buttery, Helen May.....	A 4, T 4, (S).....	Lincoln
Button, Bert Adair.....	A 1.....	Lincoln
Button, Delma Baughan.....	A 1.....	Lincoln
Byers, Earl Alexander.....	G, (S).....	Atchison, Kans.
Byers, Vern Sterling.....	E 1.....	Dorchester

Name	College and Year	Home Address
Byram, Marian Vena.....	A 2, (S).....	Lincoln
Byrnes, Juliana Mary.....	A 2, T 2.....	Lincoln
Cadwell, Gladys Lucille.....	CA 1.....	Arcadia
Cadwell, Leverne Louise.....	CA 1.....	Arcadia
Calder, James Mabie.....	A 1, (M).....	Seward
Calder, Joseph James.....	CA 1.....	Hardy
Caldwell, Evelyn Barnes.....	A 4, T 4.....	Lincoln
Caldwell, Harry Raymond.....	A 1.....	Omaha
Calvin, George Raymond.....	A 1.....	Tilden
Camp, Earl Fred.....	M 2, (S).....	Republican City
Campbell, Alice Minerva.....	CA 3, T 3, (S).....	Lincoln
Campbell, Edgar Merton.....	E 1.....	Central City
Campbell, Elvaree.....	A 1.....	Lincoln
Campbell, John.....	Au, (THS).....	Lincoln
Campbell, Juanita Lucile.....	A 4, FA.....	Brook
Campbell, William Allen.....	A 2, (M).....	Lincoln
Canaday, Claude Henry.....	CA 1.....	Weeping Water
Canaday, Floy Mildred.....	Au, Tu, (S).....	Weeping Water
Canaday, Mary Golda.....	A 3, T 3.....	Minden
Canaday, Ralph Oliver.....	L 3.....	Minden
Canfield, Sarah Wright.....	G.....	Tecumseh
Cannell, Gertrude Frances.....	A 3, (S, Ex).....	Lincoln
Cannell, Raymond Dennis.....	CA 1.....	Lincoln
Capek, Hubert Anton.....	Au.....	Lincoln
Carey, James Aloysius.....	Au, (S).....	Spalding
Carey, Nellie Mary.....	G, Ed, (S).....	University Place
Carlson, Carl Robert.....	2 P 2, (S).....	Pacific Junction, Ia.
Carlson, Mildred Maude.....	Au.....	Stromsburg
Carmean, Ermine.....	CA 4, (S).....	Chadron
Carmean, Orpha.....	A 3.....	Chadron
Carnaby, Margaret Ewing.....	A 1.....	Omaha
Carns, Margaret Jane.....	L 3.....	Lincoln
Carothers, Marietta Lucille.....	A 3, (S, Ex).....	Ansley
Carpenter, Effie.....	A 1, FA.....	Bassett
Carr, Ida Lilyard.....	A 2, T 2.....	Lincoln
Carr, Lola Irene.....	Au, (S).....	Eagle
Carr, Phyllis Ezada.....	Au.....	Springview
Carr, Ruth Ellen.....	A 1, FA.....	Lincoln
Carr, Sadie Sinclair.....	Au.....	Lincoln
Carson, Homer Virgil.....	A 3, C.....	Lincoln
Carson, LeRoy Henry.....	A 3, C, (THS).....	Madison
Carter, Edward Francis.....	L 2.....	Bruning
Carter, Lester W.....	A 2, (M).....	Thermopolis, Wyo.
Cartwright, Forrest Pete.....	A 2, (M).....	Paton, Ia.
Cash, Edith Gertrude.....	A 1, FA, (S).....	Lincoln
Cass, Nell McIntosh.....	G, (S).....	Lincoln
Cass, William Harry.....	L 1.....	Lincoln
Cassidy, Waldron Alvin.....	M 4.....	Omaha
Castek, Elizabeth.....	A 3, (S, Ex).....	Schuyler
Castor, Nora Alice.....	A 3, (S).....	Bloomington
Cattin, Walter Harlan.....	A 2.....	Omaha
Chadderdon, Neil Thompson.....	A 2.....	Curtis
Chadwick, Charles V.....	A 1, (M).....	Cambridge
Chaffee, Merritt Lehman.....	A 4, (THS).....	Alliance

ROSTER OF STUDENTS

575

Name	College and Year	Home Address
Chaikin, Annis Sarah.....	G	Lincoln
Chain, Leo Williams.....	M 2, (S).....	Omaha
Chamberlin, Frances.....	A 1.....	Lincoln
Chamberlin, Ramona	A 1.....	Lincoln
Chamberlin, Truman	E 1.....	Lincoln
Chaney, Elizabeth Loretto.....	A 3, T 3, C, (THS).....	Havelock
Chapin, Donald Abner.....	CA 2.....	Lincoln
Chapin, Irving Steele.....	A 2, C.....	Lincoln
Chapin, Mildred Marie.....	A 4.....	Lincoln
Chapin, Virginia	A 3.....	Winside
Chapman, Richard Carr.....	A 1.....	Lincoln
Chase, Cecil Arthur.....	A 2, (S).....	Mason City
Chase, Helen Marguerite.....	Au, (S).....	Lincoln
Chase, Janet	Au, (S).....	Lincoln
Chatelain, Harold Leo.....	Au	Havelock
Cheney, Jacqueline	Au	Wahoo
Chesen, Henry	A 1.....	Sioux City
Chesley, Arthur David.....	A 1, C.....	Falls City
Chesley, Faris Franklin.....	A 3, M 1.....	Armour, S. D.
Cheuvront, Maud A.....	Au, (Ex).....	Lincoln
Chipperfield, Roberta Rae.....	A 4, T 4 (S).....	University Place
Choate, Wayne Du Val.....	A 1.....	Glenwood, Ia.
Chrisman, Alta Lucile.....	A 2, FA.....	Lincoln
Chrisman, Alta Reid.....	A 2, (S).....	Lincoln
Christensen, Chris Lauriths.....	CA 2.....	Minden
Christensen, Geneva Dawson.....	Au, (S).....	College View
Christensen, Metha Barbara.....	A 1.....	St. Paul
Christenson, Walter Eugene.....	A 3.....	Lincoln
Christman, Fred C.....	Pu	Grand Island
Christmas, Frank Manley.....	A 1, (M).....	Kearney
Chung, Henry.....	G, (THS).....	Kearney
Church, Harold Lincoln.....	CA 1.....	University Place
Church, Ira O.....	M 2.....	University Place
Churchill, Barbara.....	M 2.....	Omaha
Churchill, Mae.....	Au	Malvern, Ia.
Claar, Charles Edward.....	G, Ed, (S, Ex).....	Petersburg
Claassen, Anna Elizabeth.....	CA 1.....	Beatrice
Clarissa, Sister Mary.....	Au, (S).....	Hastings
Clark, Bayard Taylor.....	L 1.....	Reserve, Kans.
Clark, Ellen Elizabeth.....	G, (S).....	Lincoln
Clark, Edith Lucile.....	A 1.....	Stella
Clark, Ethel Cecelia.....	A 2, (S).....	Lincoln
Clark, George Leonard.....	A 3.....	Fairmont
Clark, Grace Maria.....	G, Ed, (S).....	Lincoln
Clark, Helen Leona.....	A 1.....	Omaha
Clark, Letta May.....	G	University Place
Clark, Mabel Bertha.....	A 3, (S).....	Fairmont
Clark, Marjorie Leslye.....	CAu	Whittier, Calif.
Clark, Owen Nye.....	A 3.....	Beaver Crossing
Clark, Richard Edmund.....	CA 2.....	Inman
Clark, Rose Bertha.....	G	Peru
Clark, Walter Cornelius.....	C, (S).....	Bethany
Clary, June Elizabeth.....	Au, (S).....	Peru
Clary, Mary Angeline.....	A 3, (S).....	Peru

Name	College and Year	Home Address
Claussen, Reuben Julius.....	A 1, C.....	Beatrice
Claybaugh, Helen Krause.....	CAu.....	Lincoln
Clayburn, Ansel Bennett.....	A 3.....	Monroe
Clayton, Mabel Stephenson.....	A 4, T 4, (S).....	Lincoln
Clayton, Mae Stephenson.....	A 4, T 4, (S).....	Lincoln
Cleveland, Dorothy Clarke.....	A 2, (S).....	Lincoln
Cline, Lucile.....	A 2, FA.....	Lincoln
Clyde, Maude E.....	Au.....	Lincoln
Coates, Ralph William.....	A 1, C.....	North Platte
Cobb, Marjorie.....	A 3, (Ex).....	Fort Worth, Texas
Coffee, Edna Lyal.....	A 4.....	Chadron
Coffey, William D.....	E 1.....	Rushville
Coker, Marie Alverda.....	CA 1.....	Sutherland
Colburn, Dorothy Jane.....	A 3.....	Lincoln
Cole, Doris Elizabeth.....	A 1.....	Omaha
Cole, Geneve.....	A 1.....	Lincoln
Cole, Sara Raymond.....	A 4.....	Omaha
Coleman, Frederick David.....	M 3.....	Ulysses
Coleman, Mamie.....	A 4, T 4, (S).....	Lawrence
Coleson, Berenice Wilhelmina.....	A 1.....	Wausa
Collier, William James.....	A 1.....	Omaha
Collins, Floyd Mel Roy.....	M 2.....	Ord
Colson, Wesley Clarence.....	2 P 1.....	Stromsburg
Colton, Earl Glenn.....	E 2.....	Lincoln
Colton, James William.....	A 1, C.....	Lincoln
Combes, Guy Denver.....	L 1.....	Fairfax, S. D.
Cone, Edith May.....	G, (S).....	Lincoln
Conner, Paul.....	A 4, T 4, G, Ed.....	Stratton
Conner, Roy Meritt.....	A 1, (S).....	Stratton
Conrad, Paul Edgar.....	2 P 2, A 4, (S).....	Sabetha, Kans.
Constantine, Charles.....	A 2, (M).....	Omaha
Conway, Cora Ellen.....	CA 3.....	York
Cook, Edna Verlie Zimmerman.....	Au.....	Lincoln
Cook, Hazel Irene.....	A 2, T 2.....	Omaha
Cook, Helen Catharine.....	A 2, T 2.....	Blair
Cook, Helen Priscilla.....	A 4, FA.....	Lincoln
Cook, Inez Mabel.....	A 4, (S).....	Lincoln
Cook, John Bradford.....	A 4, (Ex).....	Beatrice
Cook, Nina Belle.....	Au.....	Omaha
Cook, Paul Howard.....	CA 1.....	Havelock
Cooley,, Greta.....	CA 3, T 3.....	Sheridan, Wyo
Coombs, Josiah.....	Lu.....	Lambert, Montana
Cooper, Albert Lloyd.....	M 3, (S).....	Omaha
Cooper, John Ralph.....	G.....	Lincoln
Coover, Frank Glenwood.....	Au.....	Lincoln
Copsey, Mary Helen.....	A 3, T 3, (THS).....	York
Corbyn, Mark Henninger.....	E 1.....	Lincoln
Corey, Jule Frost.....	A 1, FA.....	Beaver Crossing
Cornell, Sidney Andrew.....	Eu.....	University Place
Correll, Jesse James.....	CA 1.....	Cambridge
Corrick, Gladys.....	A3, FA, (THS).....	Lincoln
Coryell, Earle LeRoy.....	A 1.....	Lincoln
Cosford, Howard Roswald.....	A 1.....	Lincoln
Cosner, Pearl.....	A 3, (S).....	Merna

ROSTER OF STUDENTS

577

Name	College and Year	Home Address
Costello, Irma Marie.....	Au.....	Grand Island
Costello, John Edward.....	A 1, C.....	Lincoln
Cotter, Frederick Thomas.....	A 4, C, (THS).....	Omaha
Cottrell, Floa E.....	A 3, T 3, (THS).....	Hebron
Coulson, Francis Charles.....	CA 4.....	Lincoln
Coulter, Bern Raymond.....	L 1, (Ex).....	Bridgeport
Courtright, Maude Marie.....	CA 2.....	Fremont
Cowan, Homer Reid.....	A 2.....	Lincoln
Cowden, Margaret Hattie.....	CA 1.....	Riverton, Ia.
Cowen, Ray Howard.....	A 3.....	Stratton
Cowen, Willis Oscar.....	Au.....	Stratton
Cox, Vernon B.....	A 1, (THS).....	Sutherland
Crabtree, Rosalie B.....	Pu.....	Lincoln
Crabtree, Varena Amy.....	CA 4, T 4.....	Lincoln
Craft, Magdelene.....	G, (S).....	Tecumseh
Crago, Alfred.....	G, Ed, (S).....	Lincoln
Craig, Beatrice Fenton.....	Au, (S).....	Lincoln
Craig, William Donald.....	E 2.....	Clarinda, Ia.
Cramer, Neda Beatrice.....	Au, FA.....	Hampton
Crandall, Claude Melville.....	Au.....	Nebraska City
Crandall, Frank G.....	M 1.....	Omaha
Crandall, Horace Charles.....	CA 2.....	North Loup
Crandall, Howard Elmer.....	A 1.....	Lexington
Crandall, Leslie Atwood.....	A 4, C.....	Lexington
Crapenhof, Lucile Mary.....	CA 1.....	Arlington
Crawford, Alex L.....	A 1, C, (Ex).....	Omaha
Crawford, Alice Lucille.....	A 2, T 2.....	Charlestown, Ind.
Crawford, Alma Louise.....	A 2, T 2.....	Charlestown, Ind.
Crawford, Elizabeth Love.....	A 4, T 4.....	Omaha
Creedon, Joseph Francis.....	E 3, (S).....	Omaha
Creamer, Myrtle.....	A 2, T 2.....	Greenwood
Crews, Flora Ford.....	Au, FA.....	Lincoln
Crittenden, Cornelia Williams.....	A 4, (THS).....	Lincoln
Croft, Lucille June.....	A 3, FA.....	Tecumseh
Cromwell, Richard Oliver.....	G.....	Lincoln
Cross, Lyman Goodrich.....	A 4, L 1.....	Lincoln
Crow, F. Leslie.....	A 1.....	Ord
Crowell, Cecil Edward.....	CA 1.....	Red Cloud
Crowley, Linus Roche.....	A 1, (M).....	Cambridge
Crownover, Lowell G.....	E 4.....	Benedict
Crue, Charlotte.....	A 4, (Ex).....	Tilden
Cruickshank, James A.....	Au.....	Lincoln
Cullen, Irene.....	A 2, T 2.....	Lincoln
Culler, Charles Linden.....	G, (S).....	Lincoln
Cultra, George McClave.....	M 3.....	Lincoln
Culwell, Robert William.....	A 1.....	Auburn
Curley, Clara Lavern.....	CA 4, T 4.....	Lincoln
Curry, Clara Cecelia Claudine.....	A 2.....	Denison, Ia.
Curry, Faye Nell.....	CA 1.....	Harrison
Curry, George D'Allemand.....	A 1.....	Arapahoe
Curtice, Helen Burr.....	A 3, (Ex).....	Lincoln
Curtis, Lysle Floyd.....	E 1.....	O'Neill
Cushman, Gladys Lucina.....	CA 3, T3.....	Lincoln
Cypreansen, Clarence Gilford.....	A 1.....	Lincoln

Name	College and Year	Home Address
Dacken, Victor Robinson.....	M 3, Au, (S).....	Har an, Ia.
Dahl, Zella.....	A 2, (Ex).....	Neligh
Dailey, Ruth Irene.....	CA 1.....	Seward
Daily, Esther.....	A 2, T 2.....	Lincoln
Dale, Carl Core.....	CA 4.....	Greenwood
Dale, Ellis Irene.....	G, (S).....	Bethany
Dale, Frederick George.....	A 2.....	Hartington
d'Allemand, Mildred Loera.....	Au.....	Atapahoe
Dally, Claude Franklin.....	A 4.....	Lincoln
Dally, Henry Michael.....	A 2.....	Omaha
Damsgard, Lincoln Clarence.....	G, (S).....	College View
Damsgard, Ruby Olivia Wiseman.....	CAu.....	College View
Dana, Irving Romine.....	A 1.....	Lincoln
Danbom, Glendon Leroy.....	E 1.....	Red Oak, Ia.
Danforth, Dwight Esmay.....	A 1, C.....	Sioux Falls, S. D.
Daniell, Anna Louella.....	A 3, (S).....	Stanton
Darling, Russell Arthur.....	E 1, (S).....	Lyons
Darlington, George Mark.....	A 2.....	Lincoln
Daugherty, Lauren Allen.....	E 1.....	Long Pine
Davey, Mary Alice Dolores.....	A 4, T 4.....	Davey
Davidson, Glenn.....	E 2, (S, Ex).....	Lincoln
Davis, Albert A.....	M 1.....	Omaha
Davis, Dorothy D.....	A 3, T 3.....	Lincoln
Davis, Dorothy Dana.....	A 4, T 4.....	Omaha
Davis, Elliott Regester.....	CA 4, (S).....	Lincoln
Davis, Earl Gaylord.....	A 2, C.....	Lincoln
Davis, Fae.....	A 3.....	Hamburg, Ia.
Davis, Guy Russell.....	G, (S).....	York
Davis, Hobart Spratlen.....	E 2.....	Sidney, Ia.
Davis, John Dwight.....	A 3.....	Genoa
Davis, Kenneth Samuel.....	M 4.....	Genoa
Davis, Minnie Ada.....	G.....	Denton
Davis, Morgan D.....	CA 3, (S, Ex).....	Milford
Davison, Almond Demoin.....	A 2.....	Dorchester
Davison, Dorothy.....	A 1, FA, (THS).....	Lincoln
Dawson, Lydia Emma.....	A 4, T 4.....	Linwood
Day, William Louis.....	CA 3.....	Beatrice
Dayton, Mabel Alice.....	G, Ed.....	Wayne
Dayton, Mary Helen.....	A 3, T 3.....	Lincoln
Deakin, Lottie.....	A 2, (S).....	Cowles
Deal, Wm. Floyd.....	M 3.....	St. Francis, Kans.
Dean, Dorothy Sutton.....	A 2.....	Lincoln
Dean, Margie Fauvette.....	A 1.....	Giltner
De Bolt, Grover C.....	M 2.....	Omaha
DeCamp, Lucile.....	CAu, (THS, Sa).....	Lincoln
Decker, Beryl Morgan.....	Au.....	Page
Decker, Merab Jane.....	Au, (THS).....	Page
Dedrick, Faith Christine.....	A 3, T 3.....	Superior
Deering, John.....	M 3.....	Sutton
Dee, Alice Mary.....	CAu, (S, THS).....	Lincoln
Delano, Herman Stevens.....	A 1, (M).....	Lincoln
Dellinger, John Henry.....	A 1, (Ex).....	Lincoln
DeLong, Alton Garrison.....	C, Ed, (S).....	Watertown, S. D.
DeLong, Dora.....	A 3, (S).....	North Loup

ROSTER OF STUDENTS

579

Name	College and Year	Home Address
Deming, George W.	CA 4	Fairmont
Dendinger, Ceceia C.	A 3, (Ex)	Hartington
Dendinger, Vera Mabel	Au	Hartington
Denman, Betty	CA 3, T 3, (THS)	Lincoln
Denman, Kate Harriet	Au	Lincoln
Dennis, Lemo Theresa	CA 2, T 2	University Place
Dennis, Paul Morris	Au, (Ex)	Lincoln
Denny, Glaideth	G, (Ex)	Lincoln
Derby, Isabel	A 3, T 3	Lincoln
DeSautelle, Gertrude Elizabeth	A 3	Lincoln
Detweiler, Helen Ruth	A 3	Omaha
Detweiler, John Connett	E 1	Omaha
Detweiler, John Wm. Wallace	E 1, (THS)	Ord
Detweiler, Thelma Evangeline	A 1, FA	Los Angeles, Cal.
Deutsch, Frederick Moran	A 2	Nebraska City
DeVoe, Lowell Stephens	A 1, (M, THS)	Lebanon
Devries, Herbert Joshua Shiply	A 1	Fremont
DeYoung, Ethel Florine	A 1	Lincoln
Diamond, Jerome Harry	A 1, C	McCook
Dickerson, Douglas Francis	CA 3, (S, Ex)	Cumberland, Ia.
Dickinson, Amy Zilpha	A 3, T 3, (S)	Sterling, Colo.
Diddock, Margie Mary	A 2	Walthill
Diehl, Norval Eugene	A 3	Statton
Dierks, Beatrice	A 4, (S)	Lincoln
Dietrich, Edna Grace	A 1	Louisville
Dietz, Cap Leslie	CA 3	Broken Bow
Dill, Helen	A 3	Grand Island
Dillie, Frank	E 1	Hebron
Dillon, Lloyd Harry	E 1	Havelock
Dilworth, Cora Williams	G, Ed, (S)	Lincoln
Dingman, Eudora Bertha	A 2	Lincoln
Dinkwitz, Oscar	L 1	Marinette, Wis.
Dixon, Ruth Mabel	G, (S)	Bethany
Dobson, Paul Arthur	A 3	Lincoln
Dodds, Theodora E.	G, Ed	Beatrice
Dodge, Catharine Elizabeth	A 4	Fremont
Dodge, Margaret	A 2	Fremont
Domer, David S.	Au, (S)	Lincoln
Donaldson, Genevra	A 3, T 3	Norfolk
Donaldson, James Cook	G, Ed, (S)	Lincoln
Donner, Anna Marie	A 1, (S)	Aurora
Donner, Vivenne Esther	A 1, (THS)	Grand Island
Dore, Helen	A 1, C	Lincoln
Dore, Ruth	T 4, (Ex)	Normal
Doremus, Harold Chellis	E 1	Aurora
Dorland, Henrietta Adell	Au, FA	Aurora
Dorland, Wade Delos	E 1	Humboldt
Dorsey, Glen Emerson	E 1, (Ex)	Louisville
Dorsey, Ruth Anna Laird	A 4	Denver, Colo.
Dosek, Edward Adolf	Au, (S)	Dwight
Doty, Helen S.	A 3, T 3	Beaver Crossing
Doty, Ira Eugene	E 3	David City
Doty, Irene Mary	CA 2, T 2	Hastings
Dougherty, Joe Tapley	A 1	Bowling Green, Mo.

Name	College and Year	Home Address
Douglas, Aaron.....	A 1, FA.....	Topeka, Kans.
Dow, Andrew G.....	M 4.....	Omaha
Dow, Donald Benedict.....	G.....	Elwood
Dow, Dwight Howard.....	Au, FA.....	Lincoln
Downey, Florence E.....	Au.....	Lincoln
Downing, Bernice.....	A 4, T 4.....	Lincoln
Downing, Helen Edna.....	A 2.....	Rising City
Downing, Myrtis.....	A 3, FA.....	Stafford, Kans.
Downs, Valera Ormalou.....	CA 3.....	Lincoln
Doyle, Anna Cecelia.....	Au.....	Greeley
Doyle, Dorothy Cecilia.....	A 1.....	Lincoln
Doyle, Elizabeth Ann Marie.....	G, Ed.....	Lincoln
Doyle, Jeanette Eileen.....	A 1.....	Greeley
Drake, Eden Kenneth.....	A 1, (S, Ex).....	Burchard
Draper, Merle Alto.....	A 3, (Ex).....	Edison
Draper, Rosil Clay.....	CA 4.....	Ansley
Drayton, Gwendolyn Ellen.....	A 3, T 3.....	Orchard
Drebert, Eleanor.....	Au, (S).....	Lincoln
Driggs, Mabel Alice.....	Au.....	Lincoln
Driver, George Dorman.....	A 3, T 3, (THS).....	Battle Creek, Ia.
Droll, Laura V.....	Au, (S).....	Beaver City
Drollinger, Lila Azalia.....	CA 4, T 4.....	Lincoln
Dudley, William Leonard.....	A 1.....	Lincoln
Due, Minnie Audrea.....	A 1, (THS).....	Exeter
Dullenty, Myrtle.....	Au, (S).....	Lincoln
Dunagan, Thomas Arlie.....	A 1, C.....	Whiting, Ia.
Dunbar, Elmer Joseph.....	E 1.....	Tilden
Duncombe, Eli.....	CA 3.....	Lincoln
Duncombe, Frances Evaline.....	G, (S).....	Lincoln
Dungan, Edmund Dale.....	A 4.....	Kearney
Dunham, Floy.....	A 2.....	Lincoln
Dunn, Arlo Mathias.....	A 1.....	Beatrice
Dunn, Bernice Ernestine.....	A 4.....	Omaha
Dunn, Lester Lloyd.....	L 3.....	Lincoln
Dunn, Miriam.....	CA 2.....	Tekamah
Dunn, Philip Simon.....	Au, (Ex).....	Sioux City, Ia.
Duras, Josephine Lucia.....	G, Ed, (S).....	Lincoln
Durrin, Grace.....	Au, (S).....	Om Creek
Dusatko, Bertha Mary.....	A 4, T 4.....	Clarkson
Dusatko, Ida.....	A 3, (Ex).....	Clarkson
DuTeau, Alfred Armand.....	A 2.....	Lincoln
Dwerlkotte, Frank Joseph.....	Au, (S).....	Spalding
Dye, Carrie Hazel.....	CA 1.....	Rosalie
Dye, Dewey.....	E 2.....	Malvern, Ia.
Dykes, Elma.....	A 1.....	Mankato, Kans.
Dyson, Lulu Jeannette.....	Au, (THS).....	Lyons
Eakin, Aetna.....	CA 3, (Ex).....	Lincoln
Earl, Wilda.....	A 1, (S).....	Benkelman
Easley, Mildred.....	CA 1.....	Lincoln
Eason, Mary Margaret.....	CAu, (S).....	North Bend
Eastham, Mary.....	A 2, T 2.....	Lincoln
Eastman, Robert Sayre.....	A 1, (THS).....	Mitchell
Eastwood, James Abram.....	Au, (S).....	College View
Ebberson, Florence Harriet.....	A 2, T 2.....	Oakland

ROSTER OF STUDENTS

581

Name	College and Year	Home Address
Eberhart, Alanson Clyde.....	E 1.....	York
Ebersole, Carterette.....	Au, (S).....	Superior
Eckles, Fayette Blaine.....	E 1.....	Lincoln
Edgar, Leonard Owen.....	A 1.....	Edgar
Edmondson, Harold O.....	CA 1.....	St. Edwards
Edwards, Hazel Mae.....	A 1.....	Kearney
Edwards, Sarah A.....	A 1, (S).....	Alexandria
Egan, Jack Anthony.....	A 1.....	Fremont
Eggenberger, Emma Ada.....	A 3, (S, Ex).....	Strang
Eggenberger, Frieda Theresa.....	A 1, FA.....	Strang
Eggert, Edna May.....	CA 1.....	Minden
Eggleston, Olive Beatrice.....	G, (S).....	Elgin
Ehlers, Marguerite Cathrine.....	CA 1, (THS).....	Scribner
Eigenbroadt, Heila.....	CA 3, T 3.....	Lincoln
Eigenbroadt, Meda Martha.....	CA 1.....	Lincoln
Ekeroth, Lewis August.....	A 1, C.....	Wakefield
Elam, Adelaide Florence.....	A 2, (S).....	Lincoln
Eldredge, Delmar Gilbert.....	L 3.....	Omaha
Eldredge, John Carver.....	A 2, C.....	Omaha
Eldredge, Robert Bruce.....	A 2, (M).....	Omaha
Eller, Warren H.....	CA 4.....	Lincoln
Ellerbrock, Orville Lee.....	A 2, C.....	Fremont
Ellinger, Carl.....	Au, (THS).....	Lincoln
Ellinghusen, Esther A.....	A 4, T 4, (THS).....	Omaha
Ellinghusen, Ruth Alice.....	A 2, FA.....	Omaha
Elliott, Marie Winifred.....	A 3, T 3.....	Beatrice
Ellis, Cecil Lawrence.....	A 1.....	Diller
Ellis, Glen.....	E 2.....	Bethany
Ellis, Leslie William.....	A 4, C.....	Wayne
Ellison, Estella May.....	CA 4, T 4.....	University Place
Ellsworth, Ralph Augustus.....	CAu.....	Council Bluffs, Ia.
Ellwanger, Barbara Elizabeth.....	A 1.....	Lincoln
Ellwanger, Esther Clemma.....	A 1, FA.....	Lincoln
Elston, Harry Richard.....	A 2, (M).....	Columbus
Elwell, Joseph Money.....	CA 4.....	Springfield
Ely, Glen Allen.....	A 2, C, (THS).....	Guide Rock
Embree, Arthur Lee.....	G, Ed, (S).....	University Place
Emerson, Minnie Kinnick.....	A 3, (S, Ex).....	Lincoln
Emerson, Paul.....	E 2.....	North Bend
Enochs, Louise Jane.....	CA 3, T 3.....	Sheridan, Wyo.
Ensley, Blanche Irene.....	A 3.....	Benkelman
Ensminger, Jessie Pauline.....	A 3.....	Brunswick
Enyeart, Gladys Lillian.....	A 2, T 2.....	University Place
Enyeart, Bertha Elvina.....	A 3, T 3, (S, Ex).....	University Place
Epperson, Beulah McCaw.....	G.....	Lincoln
Epperson, Kathryn.....	A 1.....	Clay Center
Erazim, Elizabeth Eleanor.....	A 4, FA, (Ex).....	Ravenna
Erazim, Lucile Evelyn.....	A 2, T 2, (THS, Ex).....	Ravenna
Erickson, Pearl.....	A 1.....	Valparaiso
Ernst, Esther Veronica.....	A 1.....	Kimball
Ernst, Mary Elizabeth.....	A 1, C, (THS).....	Kimball
Ernst, Walter Otto.....	2 P 1.....	Lincoln
Ertel, Besse Loie.....	A 2, FA.....	Geneva
Ertel, Jess Louis.....	A 3.....	Geneva

Name	College and Year	Home Address
Eskildsen, Eskild Karl.....	M 1.....	Lincoln
Estes, Elmer Forrest.....	A 2, C.....	Lincoln
Eusden, Ralph Bonner.....	M 4, (S).....	Omaha
Evans, Ara Isabelle.....	A 2, (S).....	Seward
Evans, Lloyd I.....	A 1.....	Lincoln
Eveland, Margaret Gertrude.....	Au, (Ex).....	Lincoln
Everett, Ernest Alfred.....	A 2, (S).....	Lincoln
Everts, Mary Hanson.....	CA 3; T 3.....	Waco
Ewart, Ruth.....	Au.....	Lincoln
Ewing, Edward Raymond.....	CAu.....	Lincoln
Ewing, Frances McKinnon.....	Au.....	Lincoln
Ewing, Halle Laura.....	G.....	Lincoln
Eyerly, James Bryan.....	M 2.....	North Loup
Fabie, Esteban Astraquillo.....	Au.....	Agno Panga Siman, P. I.
Fagg, Besse E.....	A 3, (S, Ex).....	Arlington
Fahrenbruch, William Henry.....	M 2.....	Culbertson
Fairchild, Eva Lucille.....	A 1.....	Endicott
Fairchild, N. M.....	Mu.....	Omaha
Fairley, Emily D.....	CAu.....	Bethany
Falck, Frederikka Josie Madsen.....	A 2, (S).....	Potter
Falck, Paulus Fred.....	A 4.....	Potter
Falloon, Kate.....	A 2, T 2, (S).....	Falls City
Farley, Edward Jr.....	CA 1.....	Bancroft
Farman, George Alfred Jr.....	L 1.....	Ainsworth
Farnsworth, Merrill Leon.....	CA 1.....	Westboro, Mo.
Farquhar, Ruth Lillian.....	A 2, T 2.....	Lincoln
Fate, John Edgar.....	G, (S).....	Lincoln
Fate, William Arden.....	A 1, (S).....	College View
Faulhaber, Marie Helen.....	G, Ed, (S).....	Lincoln
Faulk, Violet Elizabeth.....	A 1.....	Stromsburg
Faust, Margery Stata.....	Au, (S).....	St. Joseph, Mo.
Fay, Leon Warren.....	E 4.....	Blue Hill
Faytinger, Frank Anton.....	A 1.....	Linwood
Fehlman, Caroline Anna.....	A 3, (S).....	Lincoln
Fehner, Herman Bernhard.....	Au, (S).....	Seward
Fender, Nellie Mae.....	A 1.....	Bennet
Fenlon, George Louis.....	G, (S, Ex).....	Trinidad, Colo.
Fenner, Archie Peabody.....	E 1.....	Merna
Fenzl, Emma Nell.....	A 1.....	Armour, S. D.
Ferguson, Ollie Wayman.....	G.....	Lincoln
Ferris, Doritha Lois.....	Au.....	Crookston, Minn.
Ferris, Minnie Agnes.....	A 1, FA.....	Lincoln
Fetterman, Esther Lydia.....	A 2, T 2.....	Lincoln
Fetterman, Ruth Evelyn.....	A 2, T 2.....	Lincoln
Field, Edith Caroline.....	G, Ed, (S).....	Lincoln
Fight, Olga Mae.....	Au, (S, THS).....	Ewing
Figi, Annamae.....	A 1, FA.....	Sutton
Figi, Fred Adam.....	M 4.....	Sutton
Fike, Eunice Lorraine.....	A 1.....	Omaha
Finch, Sadie Berenice.....	A 2.....	Kearney
Finkenstein, Isadore.....	M 1.....	Omaha
Findley, William Copley.....	G, (S).....	Bellevue
Finley, Reuel C.....	A 2, (S).....	Grand Island
Finney, Laurence E.....	CA 3.....	Lincoln

ROSTER OF STUDENTS

583

Name	College and Year	Home Address
Finstrom, Arthur LeRoy.....	A 2, (Ex).....	Tilden
Firkins, Leta Fern.....	A 1, FA.....	Ord
Fischer, Helen Elizabeth.....	A 2.....	Ft. Pierre, S. D.
Fischer, Marguerite Catherine.....	A 4, T 4.....	Ft. Pierre, S. D.
Fischer, Viola Ingeborg.....	A 2.....	Webster Groves, Mo.
Fishback, Oscar.....	CA 4.....	Beatrice
Fisher, Arden Dwight.....	2 P 2.....	Oxford
Fisher, Elsie Imo.....	A 4.....	Pawnee
Fitch, Elizabeth Maude.....	A 2.....	Omaha
Fitzpatrick, Thomas J.....	G, (S).....	Bethany
Fitzsimmons, Edna.....	CA 4, T 4.....	Lincoln
Flaherty, Nell Veronica.....	CA 1.....	Dixon
Fleming, Marion B.....	CA 2, T 2.....	Cedar Bluffs
Fleming, Paul Dow.....	A 1.....	Wilsonville
Fletcher, Carl Bernard.....	CA 1.....	Mitchell
Fletcher, George Lowell.....	2 P 1.....	Tilden
Flint, William Spencer.....	A 3.....	Omaha
Flippin, Dorothea May.....	A 1.....	Stromsburg
Flood, Francis Arthur.....	A 2.....	University Place
Flowers, John Thomas.....	E 1.....	Lincoln
Flowers, Raymond Earl.....	A 1.....	Clearwater
Foe, Glenheim.....	A 1, (Ex).....	Red Cloud
Fogelson, Gertrude Leafschon.....	A 1, (THS).....	Lincoln
Fogg, Edward Wilber.....	A 1.....	Haverhill, Mass.
Fogg, Eleanore Virginia.....	A 3, (S).....	Lincoln
Folda, Lamar.....	A 3.....	Lincoln
Folda, Laura.....	A 4, FA.....	Clarkson
Folken, Garrett Jr.....	M 4.....	Schuyler
Follings, George.....	A 2, (M).....	Lincoln
Follings, Sanford.....	A 1.....	Lincoln
Folsom, Allard Erford.....	A 1, (M, S).....	Lincoln
Ford, David True.....	A 4, M 1.....	Lincoln
Ford, Isabel A. Oldham.....	A 4, T 4.....	Kearney
Ford, Mary Lois.....	A 1.....	Lincoln
Ford, Ralph Waldo.....	A 1.....	Bertrand
Ford, Roy Bowen.....	A 3.....	Bertrand
Fordyce, Eula Mae.....	A 1, (S).....	Hiawatha, Kans.
Fordyce, Pearl Anna.....	A 1, (S).....	Hiawatha, Kans.
Forney, Ethel L.....	A 4, (Ex).....	Sioux City, Ia.
Fosbury, Eva May.....	G, (S, Ex).....	University Place
Foster, Fred Kleber.....	A 2.....	Woodward, Okla.
Foster, Traverse Schofield.....	A 2.....	Upton, Wyo.
Fouch, Ralph M.....	M 1.....	Parma, Idaho
Fouts, Averil Elizabeth.....	CA 3, T 3.....	Diller
Fouts, Henry Waldon.....	L 3.....	Diller
Fouts, Paul Albert.....	M 1.....	Central City
Foutz, Homer Sylvanis.....	A 1, (Ex).....	Guide Rock
Fowler, James Gwynne.....	A 3, (M).....	Bellevue
Fowler, Sadie Lenore.....	G, Ed, (S).....	Bellevue
Fox, Harold Edwin.....	E 2, (Ex).....	Bladen
Fox, Ruth Rheem.....	A 2.....	Geneva
Fox, Sylvia Marie.....	A 1.....	Mullen
Fradenburg, Kendall Mead.....	CA 3.....	Omaha
Frame, Mabel Maude.....	CAu, (Ex).....	Pleasanton

Name	College and Year	Home Address
Frampton, Eleanor Caroline.....	A 4.....	Lincoln
Frampton, William.....	A 1.....	Lincoln
Francis, Floyd Vincent.....	A 1, (M).....	Bancroft
Frandsen, Charles.....	M 4.....	Elba
Frandsen, Mattie Madson.....	G.....	Lincoln
Frary, Reginald Amos.....	A 1.....	Brock
Frater, Thelma.....	CA 2, T2.....	North Platte
Freeman, Genevieve Evelyn.....	A 2, T 2, (THS).....	Lincoln
Freeman, Orell Waldo.....	A 3.....	Sheridan, Wyo.
Freer, Nellie Lorraine.....	A 1, FA.....	Burwell
Freet, Mabel Elizabeth.....	Au, (S).....	Council Bluffs, Ia.
French, Iva Pearl.....	CA 1.....	Laurel
French, Oscar William.....	M 2.....	Page
Frerichs, Edward Abraham.....	CA 1.....	Talmage
Friend, Louis Sarbach.....	A 1.....	Lincoln
Frost, Leah Arlette.....	Au.....	Central City
Frost, Mildred.....	A 1, FA.....	Lincoln
Frum, Mary Alice.....	G, Ed, (S).....	Shelby, Ia.
Fry, Elizabeth Louise.....	A 1.....	Clay Center
Fuchs, Dorothea Marguerite.....	CA 2, (S).....	Stanton
Fuchs, Gustave Otto.....	G, Ed, (S).....	Stanton
Fudge, Elizabeth May.....	A 4, (S).....	Ulysses
Fuerst, Henry Fred.....	Au.....	Battle Creek
Fulk, Ellsworth LeRoy.....	A 3.....	Atlanta
Fulk, Joseph Richard.....	G, Ed, (S).....	Lincoln
Fulk, Lucile.....	A 3, T 3, (S, Sx).....	Atlanta
Fulmer, Clark Adelbert.....	G, Ed.....	Lincoln
Fulton, Arturo Joseph.....	G, Ed, (S).....	College View
Funke, Eimo George.....	A 3, T 3, (Ex).....	Blue Hill
Furgason, Leota Whiting.....	A 1, FA.....	Lincoln
Gaines, Loine.....	A 3, (S).....	Ansley
Gakemeier, Elenora M.....	A 2, (Ex).....	Rising City
Galbraith, Doris Dee.....	A 1.....	Wisner
Galbraith, Leonard Wendel.....	A 1, (M).....	Wisner
Galbraith, Lulu Faye.....	A2, T 2.....	Beemer
Gale, Margaret Marie.....	CA 4, T 4.....	Beatrice
Gallagher, Robert James.....	Au, (S).....	Sioux City, Ia.
Gallentine, Florence Gertrude.....	A 1, (THS).....	Morrison, Ill.
Gallentine, Virginia Gertrude.....	A 4, T 4.....	Kearney
Galloway, Cecil Fletcher.....	A 2, (THS).....	Wahoo
Gamble, Eliza Emma.....	A 3, T 3.....	Mead
Gannon, Frances Gertrude.....	A 1.....	Lincoln
Gannon, Harold H.....	CA 1.....	Lincoln
Gans, Hilda Margaret.....	A 1, (S).....	Seward
Gantt, Sybil.....	A 2.....	North Platte
Ganz, Robert Ellis.....	CA 4.....	Dunbar
Capen, Laura Villa.....	Au.....	Murray
Gardiner, John Francis.....	E 2.....	Omaha
Gardner, Glen Harvey.....	A 1.....	Omaha
Gardner, Hattie Ernestine.....	A 4, T 4.....	Grant City, Mo.
Gardner, Kathryn Marie.....	A 3, T 3, (Ex).....	Grant City, Mo.
Gardner, Morris Gilbert.....	A 4.....	Curtis
Garey, Grace Sylvia.....	CA 4, (S).....	Beaver City
Garnsey, Helen Lucinda.....	A 1.....	Fairbury

ROSTER OF STUDENTS

585

Name	College and Year	Home Address
Garrett, Emma Carlotta.....	A 3, T 3.....	Madison
Garrett, Martha Elizabeth.....	A 1.....	Madison
Garrison, Eura Alta.....	A 3, T 3.....	Sutton
Garrison, Everett Jesse.....	A 4.....	Summerfield, Kans.
Garrison, Irene.....	CA 1.....	Adams
Garten, Eleanor Delight.....	A 4, T 4, FA.....	Lincoln
Gaughan, Joseph Stephen.....	A 1, C.....	Lincoln
Gavenman, Jacob David.....	E 3.....	Omaha
Gavenman, Max L.....	A 1, (M).....	Omaha
Geigel, Anne.....	CA 2, T 2.....	Algona, Ia.
Geistfeld, Harry Fred.....	L 1.....	Washington, Kans.
George, Gladys Lydia.....	A 2.....	So. Sioux City
Gere, Raymond Travers.....	A 2.....	Lincoln
Gerhart, Harold Lincoln.....	A 2, C, (THS).....	Newman Grove
Gerrie, Wallace Anderson.....	M 2.....	Omaha
Gettys, Cora Luella.....	A 2, T 2.....	University Place
Gettys, Flora Frances.....	A 4, T 4.....	University Place
Gibbons, Eva Ellen.....	A 4, FA.....	Comstock
Gibbs, John Melvin.....	E 1.....	Newcastle
Gibbs, Lloyd Talbert.....	E 1.....	Wahoo
Gies, Katharine Elizabeth.....	A 1.....	Lincoln
Giffin, James Leslie.....	L 3.....	American Falls, Idaho
Gifford, Sanford Robinson.....	M 4.....	Omaha
Gilbert, Archie Clay.....	A 1, (Ex).....	College View
Gilbert, Francis McKinnley.....	A 1, (M).....	El Reno, Okla.
Gilbert, Helen.....	A 1.....	Nemaha
Gildersleeve, Cella Belle.....	CA 2.....	Wayne
Gildersleeve, Harry Dale.....	A 4.....	Wayne
Giles, George Herbert.....	G, Ed.....	Wilsonville
Gillern, Larue.....	A 3, T 3.....	Bethany
Gillette, Myron Ray.....	L 1.....	Randolph, Iowa
Gilligan, John Philip.....	A 1, (M).....	O'Neill
Gillilan, Charles Leslie.....	CA 1.....	Hardy
Gillilan, Mildred Margret.....	A 2, T 2.....	Hardy
Gilmartin, Mollie.....	Lu.....	Lincoln
Gilmore, Leona May.....	A 2.....	Red Oak, Ia.
Gilmore, Nettie Cornelia.....	Au, (S, Ex).....	Lincoln
Giltner, Helen Louise.....	CA 2, T 2.....	Omaha
Girard, Madeline.....	A 3, (S).....	Lincoln
Gish, Wesley Gibson.....	A 2.....	Lincoln
Given, Willa Elizabeth.....	Au.....	Lincoln
Glasgow, Harriet.....	Au.....	Lincoln
Glebe, Harvey McNiel.....	E 2.....	Beaver City
Glenn, Ray Fielding.....	A 4.....	University Place
Goehring, Camilla Frances.....	Au.....	Barnston
Goke, Alvin William.....	A 2.....	Pierce
Gold, Helen Gertrude.....	A 1.....	Lincoln
Gold, Henrietta Mayer.....	A 3.....	Lincoln
Good, Georgian Olive.....	CA 3, (S, Ex).....	Cowles
Goodbrod, Norman.....	A 1, C.....	Utica
Goodfellow, Sidney Robt.....	CA 2.....	Greenwood
Goodhand, Vera Lucille.....	A 1.....	Ord
Goodin, Lutie Barto.....	A 2, T 2.....	Lincoln
Goodrich, Cecyl Florence.....	A 2, (S).....	University Place

Name	College and Year	Home Address
Goodrich, Donald Hawley.....	CA 1.....	Nelson
Goodrich, Erwin Niel.....	CA 1.....	Sargent
Goodrich, Guy William.....	A 1.....	Omaha
Goodsell, Minnie Elizabeth.....	A 3, (Ex).....	Craig
Goodwin, Hildred.....	A 3.....	Mitchell
Gordon, Dorothy Thelma.....	A 2, T 2.....	Lincoln
Gordon, Poul Thomas.....	A 1, C, (Ex).....	Kearney
Gosnell, Harvey Orange.....	A 1.....	Republican City
Goss, Vivian Lee.....	A 2, T 2.....	Lincoln
Gould, Elizabeth Seymour.....	A 2.....	Omaha
Gould, Harry Garvin.....	CA 4.....	Lincoln
Grabill, Blaine Chester.....	A 2.....	Sidney
Gradwohl, Harry Milton.....	A 1.....	Lincoln
Graf, George H.....	Au.....	Lincoln
Graf, Glen Vivian.....	L 1.....	Graf
Graham, Alfred Clifton.....	M 2.....	Julian
Graham, Blanche.....	CA 3, T 3, (S).....	Lincoln
Graham, Donald Alexander.....	M 1.....	Alliance
Graham, Edith Laurene.....	A 2, T 2.....	Lincoln
Graham, Eunice Lillian.....	A 1, FA.....	Clearwater
Graham, G. A.....	E 4, (Ex).....	Naugatuck, Conn.
Graham, Marjorie Estelle.....	A 3, T 3.....	Lincoln
Graham, Victor Cunningham.....	A 3, (THS).....	Omaha
Grannis, Ivy Lillian.....	A 3, (S).....	Blue Hill
Grant, Fern Francis.....	Au.....	Lincoln
Grant, Myron Ambrose.....	E 1.....	Lincoln
Grau, Chester Henry.....	CA 4.....	Washington
Grau, Grace Barbara.....	A 1, FA.....	Washington
Gravatt, Ross Ellsworth.....	CA 3.....	University Place
Gravengaard, Hans Peter.....	A 2.....	Marquette
Graves, Clara Lenore.....	CA 2.....	Adams
Graves, Guy Theron, Jr.....	A 1, (THS).....	Pender
Graves, Josephine Estelle.....	A 3.....	Falls City
Gray, Arthur Merwin, Jr.....	A 2, C, (THS).....	Columbus
Gray, Gertrude.....	A 2.....	Riverton
Gray, Lewis Harold.....	CA 2.....	Clay Center
Gray, Viola Clarke.....	G, (S).....	Lincoln
Gray, Wayne Twinem.....	CA 1.....	Clay Center
Graybill, Elton Ray.....	E 1.....	Neligh
Grebe, Olive Kathryn.....	Au.....	Lancaster, Wis.
Green, Bertha Louise.....	Au.....	Lincoln
Green, Bertha S.....	CA 2, T 2.....	Stromsburg
Green, Dorothy.....	G, (S).....	Lincoln
Green, Katherine Mills.....	G.....	Lincoln
Green, Lucy Garrison.....	G, (S).....	Lincoln
Green, Ralph Dennis.....	M 3.....	Beaver City
Green, Willard Jay.....	A 1.....	Omaha
Green, William L. E.....	Au, C.....	Lincoln
Greenlee, Roy Ernest.....	CA 2.....	Sidney
Greeson, Leona.....	CA 1.....	Adams
Gregg, Edward O.....	Lu.....	Lincoln
Gregory, Annadora Foss.....	G, Ed.....	Lincoln
Gretzer, Cora May.....	Au, (S).....	Council Bluffs, Ia.
Grewé, Emily Helene.....	G.....	Chadron

ROSTER OF STUDENTS

587

Name	College and Year	Home Address
Grewe, Frances.....	G, (S).....	Menzel
Gribble, Harold Everet.....	CA 4.....	Dakota City
Grierson, Nellie Mae.....	Au, (S).....	Ansley
Griess, Rudolph Otto.....	M3, (S).....	Sutton
Griffith, Ferl Frederick.....	A 1.....	Sidney
Grimes, George E.....	A 4, (Ex).....	Camp Custer, Md.
Griswold, Florence Clarissa.....	A 2, T 2.....	Gordon
Grodinsky, Manuel.....	M 2.....	Omaha
Groom, Ray Clifton.....	A 1.....	Plane Ville, Kans.
Gross, Dominic Leo.....	CA 3.....	Wisner
Gross, Norman State.....	A 1.....	Abilene, Kans.
Grossart, Fred Gust.....	CAu.....	Lincoln
Grove, Nelda Lydia.....	Au, (S).....	Lincoln
Grummann, Norma Frances.....	A 1.....	Lincoln
Gudmundsen, Elmer T.....	A 1.....	Ord
Guidinger, Glenn George.....	E 1.....	York
Guilford, Joy Pleasant.....	A 1.....	Marquette
Guinn, Grace Hawley.....	CA 2, T 2.....	Lincoln
Gunther, Carl.....	A 1.....	Weeping Water
Gustafson, Herbert Carl.....	E 2.....	Benson
Gustafson, Roy Henry.....	CA 1.....	Mead
Gustin, Donna Louise.....	A 1, FA.....	Lincoln
Guthrie, Mary Evelyn.....	CA 4, T 4.....	Lincoln
Haag, Grace Clarabelle.....	G, Ed, (S).....	Clay Center
Haas, Ruth Nellie.....	A 1.....	Cook
Habegger, Edmond Putman.....	E 1.....	Crawford
Haber, Max Carl.....	E 1.....	Beemer
Hadley, Richard.....	A 1, C.....	Lincoln
Hadley, Stuart S.....	A 3.....	Lincoln
Hadley, Tillie Inez.....	CA 2.....	Holmesville
Hagelin, Paul Albert.....	G.....	Wahoo
Hageman, George August.....	Au.....	Omaha
Hager, Claribel Lea.....	A 2, T 2.....	Lincoln
Hager, Walter Ellsworth.....	G.....	Lincoln
Haggard, Raymond David.....	CA 1.....	Wenatche, Wash.
Haggerty, Myrtle Golda.....	A 2, (S).....	Lincoln
Hahn, Oscar William.....	E 1.....	Clarkson
Hahn, Robert Royal.....	L 3.....	Lincoln
Hahn, Si Ho.....	CAu, (Sa).....	Lincoln
Hainer, Catharine Rice.....	A 3, T 3.....	Webster Grove, Mo.
Haines, Hazel.....	A 1.....	Franklin
Halbersleben, Helen S.....	A 3, T 3, (THS).....	Lincoln
Halbersleben, Joseph.....	A 1.....	Lincoln
Hald, Blanche Merwin.....	Au.....	Lincoln
Haldeman, Keene Oliver.....	A1, (M).....	Ord
Haley, Clarence Edward.....	A 1, C, (THS).....	Valentine
Hall, Alice Hardie.....	A 1, (S, Ex).....	Neligh
Hall, Alice M.....	A 4.....	Lexington
Hall, Edwin G.....	A 3, (Ex).....	Lincoln
Hall, Forest Roscoe.....	E 4.....	Callaway
Hall, George Edward.....	A 1.....	Carleton
Hall, Marian Brew.....	A 2.....	Lincoln
Hall, Nancy Ruth.....	A 2, T 2.....	Elk Creek
Hall, Stanley R.....	E 1.....	Alvo

Name	College and Year	Home Address
Hall, Velma Mary.....	A 1.....	Lincoln
Halle, Alice Beulah.....	A 4, T 4, (THS).....	St. Helena
Halliwell, Robert Sylvester.....	2 P 2.....	Odessa
Halverstadt, Romaine Mervin.....	A 2, (THS).....	Lincoln
Hamann, Elizabeth Rose Katrina.....	Au.....	Farragut, Ia.
Hamer, Minnie Lovelace.....	Au.....	Lincoln
Hamersly, Owen.....	A 4, (S, Ex).....	Villisca, Ia.
Hamilton, Leon S.....	E 3.....	Wahoo
Hamilton, Marian Loretto.....	CA 1.....	Lincoln
Hammond, LeRoss.....	A 1.....	Fremont
Hampl, Stella.....	Au, (S).....	Spencer
Hanapel, Alfred John.....	E 2.....	Spalding
Haney, Edward Arthur.....	A 1, C.....	Hyannis
Hanisch, Edward Carl.....	M 3, (S).....	Rockville
Hanlen, Grace Matilda.....	CA 4, T 4, (S).....	Tilden
Hanna, Charlotte Belle.....	A 2, FA.....	Wood Lake
Hanna, Mark.....	A 1, C.....	Long Beach, Calif.
Hannah, Margaret Louise.....	G, (Ex).....	Tilden
Hansen, Alex. Frederick.....	A 2, (M), (S).....	Lincoln
Hansen, Christine.....	Au.....	Upland
Hansen, Ednah Irene.....	A 1, (THS).....	Rosalie
Hansen, Ella Marie.....	4 P 4 (S).....	Lincoln
Hansen, George Garfield.....	A 3, T 3.....	Hampton
Hansen, Lester Ward.....	A 2.....	Omaha
Hanson, Christine Hope.....	A 4, T 4.....	Concord
Hanson, Edwin Victor.....	E 1.....	Aurora
Hanson, Oscar William.....	A 1, C.....	Hastings
Happold, Carl Adolf.....	E 3.....	Grand Island
Harding, Paul Orpheus.....	E 2.....	Lincoln
Hardle, Earl Chester.....	CA 1.....	Silver Creek
Hardy, Clyde Clarence.....	4 P 2.....	Columbus
Hardy, Lela Bernice.....	A 1.....	Fairbury
Harlan, Dale.....	A 3.....	Lincoln
Harlan, Gladys.....	Au (S).....	Lincoln
Harley, James Burks.....	A 1.....	Lincoln
Harman, Grace L.....	A 2, (S).....	Lincoln
Harman, Maud.....	Au, (S).....	Lincoln
Harmon, Susan Emolyn.....	G.....	Peru
Harmon, Margaret Athenissa.....	A 2.....	Lincoln
Harms, Alma Lillian.....	Au, (S, THS).....	Lincoln
Harnsberger, Carl Wesley.....	A 3.....	Ashland
Harnsberger, Hazel Elizabeth.....	CA 3, (S).....	Lincoln
Harper, Earl Enyeart.....	A 2, FA.....	Lincoln
Harper, Ford Craig.....	A 1.....	Madison
Harper, Helen Emily.....	A 2.....	Lincoln
Harrell, Vinta Burger.....	A 2, T 2.....	University Place
Harrington, Helen Teresa.....	A 1.....	O'Neill
Harris, Bruce Harvey.....	A 3, (S).....	Steele City
Harris, Harry Edwards.....	Au.....	Fairbury
Harris, Wade Kenton.....	Au, (S).....	Moorefield
Harrison, Eileen M.....	Au, (S).....	Lincoln
Hartigan, Kathleen.....	A 1.....	Fairbury
Hartman, Lassara Ruth.....	CA 4, (S).....	Springfield, S. D.
Harvey, George Hubert.....	A 2, C.....	Logan, Ia.

ROSTER OF STUDENTS

589

Name	College and Year	Home Address
Harvey, Harry Evans.....	M 2, (S).....	Star
Harvey, Parnelle.....	A 3, T 3, (Ex).....	Wauneta
Harvey, Walter Carlton.....	M 2.....	Madison, S. D.
Haskell, Lula Iva.....	A 2.....	Alma
Haslem, George.....	A 1, (M).....	Fremont
Hasselquist, Roy Berger.....	Lu.....	West Point
Hastings, Laura Elizabeth.....	G, (Ex).....	Lincoln
Hastings, Russell.....	A 1.....	Fairfield
Hatfield, Hermine Roper.....	A 4.....	Lincoln
Hathway, Edna Morgan.....	A 4, T 4.....	St. Joseph, Mo.
Hatten, Dean Allen.....	A 1, C, (THS).....	Fullerton
Hatten, Forrest Kinman.....	A 2.....	Sidney, Ia.
Hauser, Herbert Saunders.....	CA 2.....	Hooper
Hausner, Anna Evelyn.....	Au, (S).....	Prague
Hausner, Bessie Florence.....	A 1, (S).....	Prague
Havens, Mark Edward.....	A 2, (THS, Ex).....	Omaha
Hawkins, Catharine Henrietta.....	A 4, T 4, (S).....	Ord
Hawn, Richard Hugh.....	E 2.....	Lincoln
Haycock, Ella Marjorie.....	A 2, T 2.....	Callaway
Hayden, Mary Alice.....	G, (S).....	University Place
Hayden, Rose Mae.....	A 3, (Ex).....	Meadow Grove
Hayes, Donna Marjorie.....	Au.....	Lincoln
Hayes, Harold C.....	A 3.....	Hardy
Hayes, Helen Lucille.....	A 2.....	Denison, Iowa
Haykin, David Judson.....	A 3, T 3.....	Omaha
Haynes, James Wilbur.....	A 3, (S, Ex).....	Omaha
Heald, Merwyn.....	A 2, C.....	Wahoo
Healy, Sue Crandell.....	G.....	Lincoln
Hearn, George William.....	CA 3.....	Lincoln
Hearon, Sarah Tindall.....	CAu.....	Lincoln
Heater, Cora Ethel.....	CAu, (S).....	Anselmo
Heater, LaNelle Charlotte.....	CAu, (S).....	Anselmo
Hecht, Kenneth George.....	A 2, (Ex).....	Plainview
Hedberg, Floyd L.....	CA 2.....	Polk
Hedbloom, Hazelle Lea.....	A 4, T 4.....	Stromsburg
Hedbloom, Marjorie H.....	A 2, T 2.....	Stromsburg
Hedge, Ivan Wayne.....	A 1.....	Fairfield
Hedges, Charles Otis.....	E 1.....	Indianola
Hedges, Harold.....	CA 2.....	Indianola
Hedrick, Mary Isabel.....	A 4, T 4.....	Tecumseh
Hedrick, Orville Lee.....	CA 3.....	Pawnee City
Heflin, Viola.....	Au, (S).....	Lincoln
Heider, Charles Frank.....	M 1.....	Elmcreek
Heim, Howard John.....	E 1.....	Dawson
Heine, Walter William.....	E 1.....	Lincoln
Heinke, Carl Aug.....	E 1.....	Talmage
Heiser, Elizabeth Isabel.....	G.....	White, S. D.
Heitter, Sarah Margaret.....	A 3, T 3.....	Broken Bow
Heller, David Glenn.....	CA 4.....	Broken Bow
Hellner, Anna Marie.....	G, (S).....	Lincoln
Hellner, Fred Nicholas.....	A 2, C, (THS).....	Lincoln
Hellner, Martha Margaret.....	A 2.....	Oxford
Helzer, Kate.....	CA 4, T 4, (THS).....	Valentine
Hemphill, Perry Virgil.....	A 1, (Ex).....	Montrose, Colo.

Name	College and Year	Home Address
Hendee, Maurea Pearl	A 3	Omaha
Henderson, Gertrude A	CA 1	Chicago
Hendricks, Lorene Augusta	A 2	Wahoo
Hendrickson, J. W.	A 3, (S)	Campbell
Henigan, Alice Julia	Au	Roseland
Henkle, Elmer Ellsworth, Jr	A 1, C	Lincoln
Henninger, Cuy Nelson	E 4	Sheton
Henninger, Myrna Blanche	A 2, T 2, (S)	Lincoln
Henninger, Ruth Antoinette	A 4, T 4, (S)	Lincoln
Henry, Avis Vera	A 2, (S)	Colome, S. D.
Henry, Stanley Arnold	A 4	Swanton
Hensel, Benjamin Franklin	CA 3	Lincoln
Hepperly, Ira Willard	CA 4	Norfolk
Herbert, Walter Mahlon	A 1	Lincoln
Herney, Helen Mary	A 1	Deshler
Herney, Julia Elizabeth	A 1	Deshler
Herrick, Frances Pearl	CA 2, T 2	Broken Bow
Herrmann, Albert Edward	A 4, 2 P 2, (S)	Lincoln
Herrmann, Carl Christian	G	Lincoln
Herrmann, Omer Wesley	CA 2	Corder, Mo.
Herrmann, Walter Wesley	CA 3	Lincoln
Hesseltine, Marjorie K	Au, FA	Vancouver, Wash.
Hewett, Helen Bernice	A 3	Alliance
Hewitt, Emma Edna	G	Lincoln
Hewitt, Homer Guy	L 3	Lincoln
Hewitt, Lawrence W.	A 1, FA, (Ex)	Bristow
Hewitt, Lucy Rockwood	G	Lincoln
Hiatt, George Dewey	A 1, (Ex)	Odell
Hibbs, Clara Mae	A 2, T 2	Bethany
Higbee, Melvin Dwight	A 1, C	Omaha
Higgins, Blanche Glade	A 4	Shubert
Higgins, Edith Charity	G, (S)	Beatrice
Higgins, John Clifford	CA 1	Fairmont
Higgins, Olive France	CA 3, T 3	Idaho Falls, Idaho
High, Alice Muriel	A 1	loomfield
High, Robert Frederick	A 1, (M)	Bertrand
Hileman, David Joyce	E 3	Julesburg, Colo.
Hill, Alice Maud	Au	Lincoln
Hill, Elizabeth May	A 1, (S)	Lincoln
Hille, Richard Walter	A 1, (M)	Norfolk
Hills, Ruby	G, (S)	Sidney, Ia.
Hilmers, Carl Theodore	CAu, (S)	Lincoln
Hiltner, Florence Ethel	Au	Lincoln
Hilton, Helen Beatrice	A 2, T 2	Lincoln
Himes, Minnie Grinstead	C, Ed, (S)	Lincoln
Hinds, Clarence Edwin	A 4, C	Odell
Hines, Warren A.	CA 1, (Ex)	Holstein
Hinkle, Nick	Au	Bigelow, Mo.
Hinman, Russel James	Au	Redfield, S. D.
Hinman, William Horace	A 1	Lincoln
Hinze, Alfred Franz	A 3	Rising City
Hipple, Dorothy Maud	A 1	Omaha
Hirata, Henry Minoru	E 2	Lincoln
Hissong, Marion Homer	CA 2	Havelock

ROSTER OF STUDENTS

591

Name	College and Year	Home Address
Hoagland, Ethel.....	A 1.....	Newman Grove
Hoberg, Elsie Mildred.....	A 4, T 4, (S).....	Nebraska City
Hoeftor, Emmet.....	M 1.....	Omaha
Hodam, Cecil Irene.....	A 1, FA.....	Lincoln
Hodges, Goida Ruth.....	A 1, (S).....	Guide Rock
Hoese, Lois Aletha.....	A 1.....	Wynot
Hofeldt, John Henry.....	Au, (S).....	Santee
Hofer, Brisben.....	A 2, (M).....	McCook
Hoffman, Charles Clarence.....	A 4.....	Bartlesville, Okla.
Hoffman, Edwin T.....	A 2, T 2.....	Harvard
Hoffman, Inah Fredrecca.....	A 3, T 3, (S).....	Lincoln
Hoffman, Irmah Helen.....	A 3, T 3, (S).....	Lincoln
Hoffman, Lloyd Oliver.....	M 3, (S).....	Orleans
Hofmann, Ernest P.....	A 1.....	University Place
Hogarth, Mary Ann.....	A 3, (S).....	Springfield
Hogerson, Carl Weyler.....	A 2.....	Buffalo, Wyo.
Hogue, James Earl.....	CA 4.....	Crete
Hohl, Clara May.....	Au.....	Albion
Holland, Lawrence Raymond.....	CA 1.....	Fremont
Holland, Marvin Kavanaugh.....	L 2.....	Lincoln
Holland, Vivienne.....	A 4.....	Lincoln
Hollenback, Alma Irene.....	Au, (S).....	St. Joseph, Mo.
Hollenback, Carl Francis.....	M 3.....	Sterling
Holley, Harriet Marie.....	Au, (S).....	Lincoln
Hollman, Helen Doris.....	A 1, FA.....	Minden
Holloway, Leigh Kent.....	E 2.....	Sidney, Ia.
Holmquist, Harold Minier.....	A 1, C.....	Oakland
Holsten, Marguerite Marie.....	Au, (THS).....	Dodge
Holt, William McKinley.....	L 1.....	Lincoln
Holtorf, Clara Christine.....	A 1, (S).....	Malmö
Holtorf, Josephine Louise.....	A 1, (S).....	Malmö
Holts, Mildred.....	CA 4, T 4.....	Lincoln
Holtz, Helen Dewey.....	A 2.....	Burley, Idaho
Holtz, Helen Elizabeth.....	A 3, T 3.....	Omaha
Holz, Maebelle.....	A 2.....	Omaha
Hompes, Marion Lucile.....	A 1.....	Lincoln
Honke, Irwin Carl.....	A 1, (M).....	Plymouth
Honzik, Lumir.....	A 3.....	Wilber
Hoobler, Lucille Florence.....	A 1, (S).....	Dorchester
Hooper, Grace Lillian.....	Au.....	Beatrice
Hooper, Mark Lansing.....	A 3, C.....	Holdrege
Hopkins, Glenn William.....	E 2.....	Oakland
Hoppel, Emma Barbara.....	Au, (S).....	Firth
Hoppel, Gilbert Sage.....	Au, (S).....	Bayard
Hoppel, Lillian Idella.....	A 1, (S).....	Firth
Horky, Frank Albert.....	A 2, C, (THS).....	Crete
Horner, Eben James.....	Au.....	Clay Center
Horrum, Ruth Helen.....	A 4, T 4.....	Auburn
Horsfall, Alice Evelyn.....	A 4, T 4.....	Flandreau, S. D.
Horst, Hazel Jessie.....	A 2, T 2.....	Madison
Hostetter, Doris.....	A 1.....	Douglas
Hough, John Walter.....	M 3.....	Lincoln
Houston, Helen Elizabeth.....	A 2, T 2.....	Tekamah
Howard, Carl Martin.....	A 1.....	Wakefield

Name	College and Year	Home Address
Howard, Mary Marguerite.....	A 2.....	Lincoln
Howarth, Anna.....	Au, (S, THS).....	Friend
Howarth, Harry H., Jr.....	A 1, C.....	West Point
Howe, Helen Miller.....	A 1, (Ex).....	Omaha
Howe, Thomas Dudley.....	A 1.....	Table Rock
Howes, Margaret Hannah.....	A 2, T 2.....	Omaha
Howey, Earl Tamblin.....	A 2, T 2.....	Beatrice
Howie, Ethel Lee.....	G, (S).....	York
Howey, Katharyn Arrietta.....	A 3, T 3.....	Beatrice
Hoy, Raymond Eugene.....	A 1.....	Lincoln
Hoyt, Charles Edward.....	A 1.....	McCook
Hromas, Emilie.....	CAu, (S, THS).....	North Bend
Hubbard, William Glenn.....	A 1.....	Osceola
Hubbell, Mina E.....	A 3, T 3, (S).....	Lincoln
Hubka, Ernest Alfred.....	A 2.....	Virginia
Hudson, Roy William.....	G.....	Hayes Center
Hudspeth, Harold Mason.....	A 1, C, (THS).....	Omaha
Huebner, Julius.....	G.....	Emerald
Huestis, Charles Brown.....	M 2.....	Omaha
Huffman, Harry Gusten.....	M 1.....	North Platte
Hufsmith, George William.....	A 1.....	Creighton
Hughes, Gladys.....	A 4, T 4.....	Lincoln
Hughes, Gwendolyn.....	G.....	Lincoln
Hughey, Mary Elizabeth.....	A 2, T 2.....	Nebraska City
Huling, Harold.....	A 2, (Ex).....	Waverly
Hull, Nina Cecelia.....	A 3.....	Fremont
Hult, Selma Amande.....	A 3, (S).....	Verona
Humiston, Beth.....	A 3, FA.....	Long Beach, Calif.
Hummel, Henry L, Jr.....	A 2.....	Lincoln
Humpe, Helen Marie.....	A 4.....	Lincoln
Humphrey, Fred Augustine.....	M 1.....	Broken Bow
Humphreys, Mary Ellen.....	Au.....	Lincoln
Hunt, Katherine Moran.....	M 2.....	Omaha
Hunter, Annamae.....	G, (S).....	Lincoln
Hunter, Byron Wilson.....	E 3.....	Fremont
Hunter, Thomas Vernon.....	A 1.....	Superior
Hupfer, John Charles.....	A 1, C.....	North Platte
Hussey, John Wendel.....	A 4, (S).....	Cedar Rapids
Hustead, Mary Estella.....	A 3, T 3.....	Aurora
Huston, Harry Edwin.....	CA 4, G.....	Brock
Huston, Lena L.....	CAu.....	Brock
Hutchinson, Penlah.....	Au, (S, Ex).....	Lincoln
Hutchinson, Perna Mae.....	A 3.....	Lincoln
Hutton, Ruth Lenore.....	A 2.....	Omaha
Huwaldt, Edward.....	G, Ed, (S).....	Omaha
Hvatt, Grace Thompson.....	G, (S).....	Lincoln
Hvatt, Josephine Lorraine.....	A 2, T 2.....	Lincoln
Hyde, Nellie Adele.....	CA 4, T 4.....	Norfolk
Iddings, Florence Elizabeth.....	G.....	North Platte
Iden, Zepha Maude.....	A 1, FA.....	Bigelow, Mo.
Ijichi, Taro.....	A 4, (S).....	Lincoln
Ingersoll, Arthur William.....	G.....	Lincoln
Ingham, Leroy Wesley.....	CA 2, (Ex).....	Lyons
Inholder, Monroe Mathew.....	A 1.....	Pierce

ROSTER OF STUDENTS

593

Name	College and Year	Home Address
Inks, Edith	A 2, T 2, (S).....	Shelby
Irvine, Ruth Kathryn.....	A 4, T 4.....	Wakefield
Isenburg, Elma Margaret.....	CA 2, T 2.....	Ashton, Idaho
Isherwood, Elsie May.....	Au, (S).....	Lincoln
Israel, Samuel Adams.....	A 1.....	Omaha
Ivers, Darlien Marie.....	M 2, (Ex).....	Red Oak, Ia.
Jack, True Adeline.....	A 2.....	Lincoln
Jackson, Mabel Emily.....	Au, (Ex).....	Lincoln
Jackson, Richard Jessup.....	A 1.....	Newcastle, Wyo.
Jackson, William Cable.....	A 3, (Ex).....	Lincoln
Jackson, Winifred Edith.....	Au.....	Lincoln
Jacobson, Conrad.....	Au, (Ex).....	Newcastle
Jacobson, Julia Alexandria.....	A 2, T 2.....	Council Bluffs, Ia.
Jacobson, Ralph Albert.....	A 4.....	Omaha
Jacobson, Wahlfred Carl Oscar.....	A 4, (THS).....	Omaha
Jaenike, Richard Carl Albert.....	M 1.....	David City
Jahn, Gustav W.....	A 4.....	Lincoln
James, Walter Dudley.....	L 2.....	Brush, Colo
Jameson, Grace Geneva.....	A 1, FA.....	Weeping Water
Janda, Albert.....	A 2.....	Central City
Jandrall, John Middleton.....	A 4, T 4.....	Clarks
Janike, Helen Marie.....	A 2, T 2.....	Rising City
Janovsky, Augusta.....	A 3, T 3.....	Edgemont, S. D.
Jeep, Ida.....	A 2, (Ex).....	Sioux City, Ia.
Jefferson, Glenn Vernon.....	A 3, C.....	Havelock
Jeffrey, Earl Cranston.....	A 4, L 1.....	Lincoln
Jeffrey, Forest Vern.....	Au, (THS).....	Lincoln
Jeffrey, Harry.....	G.....	Bethany
Jeffrey, Hortense.....	A 2, T 2.....	Lincoln
Jeffryes, Isa.....	A 2.....	Casper, Wyo.
Jelinek, Lillian Naomi.....	A 2, T 2, (THS).....	Crete
Jenkins, Charlotte Louisa.....	G.....	Lincoln
Jenkins, John L.....	M 1.....	Omaha
Jenkins, Mary Lucile.....	Au.....	Fairbury
Jenkins, Roger Albert.....	A 4, C.....	Lincoln
Jenkins, Verne Willis.....	E 1.....	Lincoln
Jenks, Florence Alice.....	A 3.....	Omaha
Jensen, Arnold Larsen.....	A 1, (M).....	Council Bluffs, Ia.
Jensen, Carrie.....	Au, (S, Ex).....	St. Paul
Jensen, Frederick Erhard.....	A 1.....	Redondo Beach, Calif.
Jensen, Frederick William.....	A 3.....	Blair
Jensen, Hans Herman.....	2 P 2.....	Audubon, Ia.
Jensen, Howard Cyrus.....	CA 3.....	Blair
Jensen, Oscar Hugo Howard.....	CA 2.....	Blair
Jeppson, Edna Elvera.....	Au.....	Mead
Jerner, Orion E.....	L 1, (THS).....	Folk
Jhung, Yangpil.....	CA 4.....	College View
Jindra, Victor Hugo.....	A 2, (S).....	Wilber
Jirovec, Anna.....	Au, (S).....	Clarkson
Jo, Kiichi.....	A 1.....	Hono'ulu, Hawaii
Jobs, Raymond Lewis.....	CA 1.....	Tecumseh
Johnson, Agnes Gargitta.....	A 3.....	Superior
Johnson, Beatrice Marie.....	A 1.....	Omaha
Johnson, Chester Arthur.....	M 1.....	Stuart

Name	College and Year	Home Address
Johnson, Clarence Bruce.....	Au	Lincoln
Johnson, Clyde Everett.....	A 3, C	Norfolk
Johnson, Edith Myrtle.....	Au	Weeping Water
Johnson, Eleanor Moliere.....	G	Ft. Smith, Ark.
Johnson, Elsie Louise.....	A 4, T 4.....	Broadwater
Johnson, Elvera Anne.....	A 4, FA, (S, THS).....	Lincoln
Johnson, Ernest Delogne.....	M 2, (S).....	Omaha
Johnson, Frank F.....	G, Ed.....	Lincoln
Johnson, George Stephen.....	A 1, (M).....	Lincoln
Johnson, Harry James.....	E 1.....	University Place
Johnson, Harry Prescott.....	A 1.....	Havelock
Johnsen, Harvey Magnus.....	L 2.....	Fremont
Johnson, Jessie Ruth.....	CA 4, T 4.....	Tekamah
Johnson, Joseph Lawrence.....	CA 4.....	Mead
Johnson, Laura Elizabeth.....	A 4, T 4.....	Mead
Johnson, Leonard Harvey.....	A 1, C.....	Burwell
Johnson, Luther Dewey.....	A 1.....	Valley
Johnson, Mabel Luella.....	A 4, T 4.....	Holdrege
Johnson, Mark Everett.....	A 1.....	Council Bluffs, Ia.
Johnson, Myron Vernor.....	A 2, C, (THS).....	Lincoln
Johnson, Osce William.....	A 1, C.....	Burwell
Johnson, Rudolph Eugene.....	M 4.....	Omaha
Johnson, Swen Oscar.....	G, (S).....	Wahoo
Johnson, Tressa Beatrice.....	G	Lincoln
Johnson, Walter Clement.....	A 3.....	Omaha
Johnson, Walter Ostergaard.....	E 2.....	Omaha
Johnson, William Thomas, Jr.....	M 1.....	Pawnee
Johnston, Albert Samuel.....	L 1.....	Holdrege
Johnston, Blanche Jennings.....	Au	Lincoln
Johnston, Carl Winfred.....	L 1.....	Lincoln
Johnston, Ethel Dell.....	A 2.....	Alliance
Johnston, Lavinia Grace.....	A 1.....	Alliance
Johnston, Mabel Esther.....	A 3.....	Holdrege
Jones, Annie Elizabeth.....	A 2.....	Lincoln
Jones, Arlington Wade.....	CA 1.....	St. Joseph, Mo.
Jones, Beatrice Jane.....	CAu	Springview
Jones, Carl Wilfred.....	CA 3.....	Polk
Jones, Charles Henry, Jr.....	A 2.....	Spencer, Ia.
Jones, Dale Glendon.....	A 2.....	Spencer, Ia.
Jones, David John.....	Au, (S).....	Seward
Jones, Emma Roberta.....	CA 3, T 3, (S).....	Normal
Jones, Emrys Gordon.....	CA 3.....	Wymore
Jones, Esther.....	A 3, T 3.....	Lincoln
Jones, Glenn Albert.....	M 2.....	Custer, S. D.
Jones, Jean Gilbert.....	Au	Omaha
Jones, Leata Adeline.....	CA 2.....	Minden
Jones, Lina Grace.....	A 1.....	College View
Jones, Margaret Cathrine.....	A 1, (S, THS).....	Benkelman
Jones, Marguerite Annette.....	CA 4, T 4.....	Lincoln
Jones, Martin Miller.....	A 2.....	Polk
Jones, Mary Louise.....	A 3, (Ex).....	Denison, Ia.
Jones, Philip Gordon.....	A 4.....	Omaha
Jones, Ruth.....	A 3, T 3.....	Lincoln
Jones, Thelma Sarah.....	A 3, T 3.....	Madison

ROSTER OF STUDENTS

595

Name	College and Year	Home Address
Jones, Viola Jane.....	A 2, (Ex).....	Exeter
Jones, Wells Carpenter.....	L 1.....	Farnam
Jorgensen, Ruth Cathryn.....	A 3, T 3, (Ex).....	Omaha
Joseph, Ruth Irene.....	CA 1.....	Lincoln
Judd, Gertrude Hendrey.....	A 3.....	Rising City
Judd, John Hewitt.....	A 1, (S, Ex).....	Dawson
Judd, Marie Florence.....	A 1, (S, Ex).....	Superior
Judd, Walter H.....	A 2, (M).....	Rising City
Judkins, J. Milrae.....	A 4, T 4.....	Upland
Junge, Carl Lau.....	E 1.....	Lincoln
Jungmeyer, Walter C.....	E 3, (Ex).....	Papillion
Kacer, Oldyn Arthur.....	A 1, (M).....	Wilber
Kaelin, Mabel Ruth.....	A 2, T 2.....	Ansley
Kano, Hisanori.....	J.....	Tokio, Japan
Kantor, Dominik Benjamin.....	A 3, (M).....	Loma
Kappius, Meinolf Valen.....	CA 2.....	West Point
Karlson, Arvid.....	Au.....	Wahoo
Kaspar, Ethel Barbara.....	A 1.....	Wahoo
Kastl, Rose Estella.....	A 1.....	Prague
Kauffman, Vincent E.....	E 3.....	Hardy
Kavan, Albert Clifford.....	CA 1.....	Lincoln
Keech, Albert W.....	CA 3.....	Lincoln
Keefer, Harry.....	A 1, C.....	Burley, Idaho
Keeffe, James Herbert.....	E 4.....	Sioux City
Keenan, Julia Loretta.....	A 1, (S).....	Spalding
Kees, Louise Susanna.....	CA 1.....	Beatrice
Keim, Franklin David.....	G.....	Lincoln
Keim, Ray C.....	CA 1.....	Davenport
Keith, Lucile.....	A P 4.....	Hastings
Keith, Rena May.....	A 4, (S).....	Curtis
Kellenbarger, Adele Musette Lamar.....	G, (S).....	Merna
Keller, Helen Dorothy.....	A 3, T 3.....	Lincoln
Keller, Samuel L.....	M 2.....	Fremont
Kelley, Roy Verne.....	A 3, (S, Ex).....	Lexington
Kellogg, Florence.....	A 3.....	Red Cloud
Kellogg, Jessie May.....	G, (S).....	Red Cloud
Kellogg, Sam Lattimer.....	CA 2.....	Nebraska City
Kelly, Eric Todd.....	A 3, (S).....	Atkinson
Kelly, Joseph Edward.....	A 1.....	Spalding
Kelly, Louis Albert.....	A 1.....	North Platte
Kelly, Maud Esther.....	Au, (S, THS, Ex).....	University Place
Kelsey, Catherine Marian.....	A 4, T 4.....	Lincoln
Kemmer, George Alfred.....	E 1.....	Stromsburg
Kemmer, Lawrence William.....	A 1, (M, Ex).....	Stromsburg
Kemp, Minnie Anne.....	Au, C.....	Fairmont
Kenagy, Inez Mildred.....	Au.....	Milford
Kendall, Gladys Pauline.....	A 1, (S).....	Colby, Kans.
Kendall, Helen Jane.....	A 2.....	Superior
Kendle, Ester Raymond.....	A 1.....	Syracuse
Kennedy, Allan Southerland.....	E 1.....	Lincoln
Kenner, James Rupert.....	A 4.....	Utica
Kenyon, Irvin Richard.....	A 2, C, (Ex).....	Utichfield
Kipler, Ada Nora.....	A 4, C, (THS).....	Kearney
Kibler, Augusta May.....	A 3, T 3.....	Kearney

Name	College and Year	Home Address
Kiechel, Doane Fred	A 1	Auburn
Kiefer, Katherine Christine	A 3, FA	Lincoln
Kiefer, Mae Violet	CA 2	Colon
Kier, Samuel Max	L 2	Lincoln
Kiesselbach, Theodore Alexander	G	Lincoln
Killen, Edgar Cromwell	A 1	Lincoln
Killian, Charles J.	CA 3, T 3	Omaha
Killins, Wendell A.	M 1	Council Bluffs, Ia.
Kim, Ilsyn Young Dai	A 2, (M)	Korea
Kimball, Carolyn	A 4, FA	Hastings
Kimball, Marjorie Perkins	A 3, (S)	Lincoln
Kimberly, Mervyn Chaney	A 2	Lincoln
Kincaid, Retta Blanche	A 1, (S)	Hiawatha, Kans.
Kincaide, Charles Melvin	A 2, C	Lincoln
Kindig, Albert Sidney	A 2	Lincoln
Kindig, George Benjamin	A 3	Hastings
King, George Austin	CA 1	Central City
King, Leva Foster	Au	Lincoln
King, Russell Isaac	A 1	Tilden
King, Velma Irene	Au	Lincoln
King, Virginia Marie	A 1, (S)	North Bend
Kingery, Jane Kathern	A 2	Tilden
Kingsley, Ethel	A 1	Minden
Kinney, Lawrence Lee	A 1	Lexington
Kinnier, Susanna	Au, (S)	Spalding
Kirk, Jesse Harold	A 2	Lincoln
Kirkegaard, Martin Luther	A 3	Blair
Kirkpatrick, Milton Elder	M 2	Holdrege
Kirkwood, Nellie Louie	Au, (S)	Lincoln
Kirkwood, Ollie Martha	CA 4, (S)	Lincoln
Kirsch, Frederick Dwight	A 3, FA	Lincoln
Kirsch, Hollis Harlan	A 4, FA	Lincoln
Kirschstein, Ruth Bates	A 1	Lincoln
Kiser, Edna Mae	A 3, T 3, (THS)	University Place
Klein, Albert Daniel, Jr.	A 1, (M)	Omaha
Klein, John Arthur	A 2	Omaha
Kleinke, Viola Lenore	A 3	Cheyenne, Wyo.
Klepetko, Stephanie Josephine	A 1	Omaha
Klima, Joseph J.	A 3, (S, Ex)	Milligan
Kline, Lawrence J.	A 1, (Ex)	Beatrice
Kline, Leonard Wilson	A 3	Blue Springs
Kline, Philip	M 3	Omaha
Kloke, Gladys Magdalen	A 4, T 4	Lincoln
Klotsche, Ernest Heinrich	G	Lincoln
Kluge, Arno August	E 1	Lincoln
Knight, Louise LaRue	A 3, T 3	Spencer, Ia.
Knotter, Geradine	G, (S)	Stapleton
Knotts, Minnie P.	Au, (Ex)	Lincoln
Knudson, Bernard Lawrence	A 2, C, (THS)	Genoa
Knutzen, Anne Catherine	A 2, T 2	Kearney
Koch, Beatrice	A 3, T 3	Fullerton
Koch, Camilla	A 3	Fullerton
Koch, Ruth	CA 3, T 3, (S)	Fairbury
Koebele, Simon Cyprian	Au, (S)	Burns, Kans.

ROSTER OF STUDENTS

597

Name	College and Year	Home Address
Koehler, Ben Gund.....	A 1.....	Geneva
Koehler, John Hoover.....	L 1.....	Geneva
Koehler, Otto, Jr.....	CA 1.....	Pilger
Koenig, Margaret Wilhelmina.....	Au.....	Lincoln
Koenig, William Louis.....	CA 1.....	Talmage
Koepsel, Helen Jewel.....	A 1.....	Lincoln
Kohl, Katherine Charlotte.....	A 3.....	Hastings
Kohn, Frank.....	A 2, (M).....	Beaver City
Koken, Ray Ellsworth.....	E 1.....	Superior
Koll, Ralph Cleveland.....	A 1.....	Havelock
Kolterman, Edna Alvina.....	A 1, (S).....	Hebron
Konecky, Eugene Max.....	A 1.....	Omaha
Kositzky, Edwin Paul.....	E 4.....	Lincoln
Kositzky, Harold William.....	A 2.....	Lincoln
Kostal, Albert J.....	A 1, C.....	Odell
Kouba, Ema.....	Au.....	Verdigre
Koudele, Clara Cecilia.....	Au.....	West Point
Koupal, Amy June.....	A 2, T 2, (S).....	Lincoln
Krahulik, Emil Joseph.....	M 3.....	Clarkson
Krahulik, Lambert.....	A 1, (M).....	Omaha
Kramer, Joseph.....	CA 2.....	Lincoln
Krampert, Frank L.....	M 1.....	Omaha
Krampert, Herbert.....	CA 1.....	Wood Lake
Krause, Alexander Rose.....	A 3, C, (Ex).....	West Point
Kraybill, Harold Matthews.....	M 1.....	Abilene, Kans.
Krebs, August Charles.....	L 3.....	Friend
Krejci, Estella.....	A 1, (S).....	Exeter
Krejci, Helen Marie.....	CA 2, T 2.....	Exeter
Kretzler, Harry Hamlin.....	A 2, (M).....	Lewellen
Kreuch, William.....	E 2.....	Norfolk
Kreycik, Kate Rose.....	CA 1.....	Arabia
Krieg, Norma Margaretta.....	CA 1.....	Lincoln
Kriemelmeyer, Walter Palmer.....	E 2, (Ex).....	Cambridge
Krikac, Emma.....	A 3, T 3, (THS).....	Comstock
Krotz, Larid.....	CA 1.....	Odell
Krotz, Marcellus Joseph.....	CA 3.....	Odell
Krueger, O. Martin.....	CA 1.....	Seward
Kuhn, Ada Ruth.....	G, Ed.....	Lincoln
*Kuhn, John Blaine.....	A 4, L 1.....	Lincoln
Kunde, Margarete Meta Hedwig.....	G, (S).....	Lincoln
Kunkel, Leslie Lyman.....	A 4, C, (THS).....	Madrid
Kuns, David Raymond.....	G, Ed, (S).....	Humboldt
Kupka, Lydia Ana.....	A 1, (S).....	Crete
Kurth, Herman R.....	E 3.....	Lincoln
Kuska, Clement.....	CA 1.....	Ohioa
Kuska, Henry.....	CA 1.....	Ohioa
Kyd, Annie Elizabeth.....	Au.....	Lincoln
Kyes, Odessa Frank.....	E 1.....	University Place
Kyle, John Eldon.....	A 4.....	Evans, Colo.
Kyner, Lloyd Milton.....	Au, (Ex).....	Eustis
Labaree, Anna Laura.....	CA 2.....	Julesburg, Colo.
Labaree, Eleanor Katherine.....	A 2, T 2.....	Julesburg, Colo.

*Deceased

Name	College and Year	Home Address
Lacey, Owen S.....	E 1.....	Osmond
Lackey, Agnes.....	A 1, (S).....	Cering
Ladd, Sarah Avery.....	G.....	Lincoln
Lafin, Lewis Eugene.....	L 3.....	Crab Orchard
Laidig, Earl Edward.....	A 1.....	Danbury
Lain, Mabel E.....	A 2, (Ex).....	Dorchester
Lally, Mary Alexis.....	A 1.....	Denison, Ia.
Lamb, Milton Mason.....	A 2.....	Tecumseh
Lambert, Lura Gwyanna.....	A 1, (S).....	Guide Rock
Lambert, Raymond Henry.....	A 3.....	Lincoln
Lambert, William Vincent.....	CA 1.....	Stella
Lampert, Margaret Emma.....	G, Ed, (S).....	Lincoln
Landale, Jack Alexander.....	E 1.....	Omaha
Landale, Jean Catherine.....	A 2, T 2.....	Omaha
Landers, Walter Gams.....	CA 1.....	Norfolk
Landmann, Paul Emanuel.....	A 1, (M).....	Scotland, S. D.
Lane, Josephine.....	A 3, FA.....	Shoshone, Ida.
Lang, Caroline.....	A 1, C.....	Remsen, Ia.
Langdon, Harold Anthony.....	E 4.....	Omaha
Langford, Lee Samuel.....	CA 1.....	Craig
Langston, Donnelly Edwin.....	A 1.....	Havelock
Langtwait, Thelma.....	A 1, FA, (THS).....	Oxford
Lannen, Effie Agnes.....	CA 1.....	Cheyenne, Wyo.
Lanphere, Edward Everett.....	E 1.....	Gresham
Lanyon, Searle Henry.....	M 1, (Ex).....	Omaha
Lanz, John Edward.....	G, Ed, (S).....	Plymouth
Lapidus, Morris Jacob.....	CA 2.....	Lincoln
Larimore, Corrine Elizabeth.....	Au.....	Lincoln
Larned, Belle Gould.....	A 2.....	Haigler
Larned, William Henry.....	A 1, C.....	Haigler
Larsen, Antonius Andrew.....	M 4, (S).....	Homer
Larsen, Christian Bernhard.....	A 3.....	Blair
Larsen, Frances.....	A 3, T 3.....	St. Paul
Larsen, Helen Magdalene.....	A 1.....	St. Paul
Larsen, Laura Matilda.....	A 1, (S).....	Council Bluffs, Ia.
Larson, Ernst J.....	M 1.....	Viborg, S. D.
Larson, Irving Edward.....	Au.....	Viborg, S. D.
Larson, Wallace Theodore.....	CA 1.....	Genoa
Larson, William Severitt.....	A 2, FA.....	Stromsburg
Lathrop, Edith Anna.....	G.....	Inland
Latta, Lloyd Olen.....	CA 1.....	Skidmore, Mo.
Latta, Neva Irene.....	Au, (S).....	Selma, Calif.
Lau, Friederike Elisabeth.....	Au, (S).....	Lincoln
Lau, Magdalene Friederike.....	A 2, T 2 (S).....	Lincoln
Lau Bach, Effie Fern Bruce.....	Au.....	Lincoln
Laugharn, Charles Howard.....	A 2, (M).....	Gering
Lawritson, Martin Nelson.....	CA 3.....	McCook
Lawritson, Pearl Edith.....	A 4, T 4.....	McCook
Lawson, Leone Mae.....	A 2.....	Shenandoah, Ia.
Lawson, Minnie Luella.....	A 4, T 4.....	Genoa
Lawson, Viola Mary.....	A 2.....	Shenandoah, Ia.
Leach, Leonard Lewis.....	A 2.....	Lincoln
Leach, Ralph Wesley.....	CA 1.....	Iowa Falls, Ia.
Leahy, Alice Josephine.....	A 2.....	Lincoln

Name	College and Year	Home Address
Leal, Martna Louise.....	CA 2.....	Denver, Colo.
Lean, Lottie Francis.....	Au, (S).....	Elmwood
Lean, Nellie Clair.....	Au, (S).....	Elmwood
Lear, William Dale.....	A 1.....	Springview
Leavitt, Nathan Haime.....	E 1.....	Omaha
Leckey, Martha Jane.....	A 1, (S).....	Cedar Rapids
Leckey, Sarah.....	Au, (S).....	Lincoln
Lee, Howard Choo.....	CA 3.....	Seoul, Korea
Lee, Linford Henry.....	Au, (S).....	Lincoln
Lee, Martha Alberta.....	CA 1.....	Thermopolis, Wyo.
Lee, Yong Kiu.....	G, (S).....	Ham-heung, Korea
Leech, Ralph Otis.....	Au.....	Red Oak, Ia.
Leech, Ruth Ann.....	A 2, FA.....	Red Oak, Ia.
Lees, Lucile Betty.....	A 4, T 4.....	Lincoln
Lees, Thomas Murray.....	A 1.....	Lincoln
Lefever, Rufus Harry.....	G.....	Miller
Lefferdink, Bertha Dilla.....	Au.....	Lincoln
Leffler, Harry Spencer.....	A 1, (M).....	Omaha
Lefler, Esther Fern.....	A 1, (S).....	Lincoln
Lefler, Millard Charles.....	G, Ed.....	Lincoln
Lehman, Edward D.....	CAu, (S, Ex).....	Fremont
Lehman, Harry Logan.....	L 1.....	Culbertson
Lehmkuhl, Charles John.....	A 3, C, (THS).....	Wahoo
Leininger, Earl Francis.....	A 1, (M).....	Sargent
Leisy, Henry Theodore.....	3 P 1.....	Wisner
Leonard, Hattie Adelia.....	Au, (S).....	Beaver City
Leschinsky, George Karl Adolph.....	A 1.....	Loup City
Leuck, Gerald John.....	E 1.....	Winside
Lewellen, Stella Mae.....	A 3, T 3, (S).....	Lincoln
Lewis, Charles Leslie.....	Au, (THS).....	Elwood
Lewis, Florence Mae.....	A 1.....	Fairfield
Lewis, Harold Harl.....	A 2, FA.....	Fairfield
Lewis, Helen Irene.....	A 2, T 2.....	Superior
Lewis, Margaret.....	A 4, (Ex).....	Omaha
Lewis, Taylor E.....	CA 3.....	Superior
Lewis, Wilber Alexander, Jr.....	A 2, C.....	Fairfield
Lewis, Wilmor O.....	M 1.....	Clay Center
Lewton, Harry Ray.....	2 P 1.....	Craig
Lewton, Opal S.....	Au, (S).....	Craig
Lichnovsky, Helene Martha.....	A 1, (THS).....	Omaha
Lichtenstiger, Dorris Harriet.....	A 1.....	Lincoln
Lichtenstiger, Hazel Christine.....	A 2, T 2, (S).....	Lincoln
Liebendorfer, Joe.....	A 2, (M).....	Pawnee City
Lieber, Earl.....	CA 1.....	Lincoln
Liebers, Carl Ludwig.....	CA 2.....	Lincoln
Liggett, George Harlan.....	CA 1.....	Utica
Liming, Orlan L.....	A 3, (Ex).....	Quinby, Ia.
Linch, Clyde A.....	Au.....	University Place
Linch, Leta Blanche.....	G.....	Lincoln
Lind, Hilding Alfred.....	E 1.....	Greeley
Lindgren, Lawrence Frithof.....	CA 1.....	Lincoln
Lindley, Paul.....	E 3.....	Riverton
Lindquist, Elmer Raymond.....	CA 3.....	Hildreth
Lindsay, Ruth Kingsley.....	A 1.....	Lincoln

Name	College and Year	Home Address
Lindstrom, David Edgar	CA 1	Oxford
Link, John T.	A 4, (S, Ex)	Seward
Linn, John T.	A 2	Kimball
Linstrom, Vera Melvina	Au	Edgar
Linton, Ethel Doris	A 2, (S)	Elgin
Lintz, Opal Loise	A 3, T 3	Lincoln
Lintz, Roy Peter	E 4	Johnson
Lionberger, David Leo	A 1, (M)	Table Rock
Lipetz, Elijah Yekusiel	CAu	Lincoln
Lipp, Michael J.	M 1	Omaha
Lipsev, Lena	A 3, (Ex)	Omaha
Lisco, Gladys J.	CA 1	Lisco
Lissack, Edmund Henry Max	M 2	Syracuse
Little, Evelyn	A 1, (THS)	Lincoln
Little, Miriam Harriet	CAu	Lincoln
Littrell, Bryan	Au	College View
Lively, Charles Elson	G, Ed	Lushton
Lobdell, Raymond Oliver	A 2	Lincoln
Loeb, Genevieve Louise	A 2	Lincoln
Loeb, Marguerite	A 4, FA	Lincoln
Loewenthal, George Giroux	E 4	Chadron
Loftman, Helen Elizabeth	A 3, T 3	Omaha
Lohmann, Charles Valentine	E 4	Lincoln
Lonam, Marguerite	A 3	Lincoln
Long, Beatrice	A 2	Lincoln
Long, Harold Bash	A 3	Lincoln
Long, Maurice Blaine	G, (S)	College View
Long, Robert S.	A 2, C	South Bend
Longenecker, Albert M.	L 2	Paola, Kans.
Loomis, Wayne	A 1	Fremont
Lopp, Frank Thomas	Au	College View
Lord, Gladys Malone	G	Lincoln
Loriks, Emil Carl	CA 4, T 4, (S)	Arlington, S. D.
Losey, Ray Robinson	M 4	Hagerman, N. M.
Lotspeich, Ralph E.	A 2, C, (THS)	Alliance
Lough, Georgia Irene	Au, (S)	Lincoln
Loughridge, Mae Fern	Au, (THS)	Murray
Lound, Abbie L.	A 3, T 3	Winside
Loverin, Madge W.	Au, (S)	Lincoln
Lowe, Harry Carl	L 1	Lincoln
Lowe, Isabella Charlotte	A 4, T 4	Kearney
Lowe, Jessie Opal	CA 4, T 4	Lincoln
Lowe, Virginia Marion	CA 3, T 3	Omaha
Lowrey, Eleanor Condell	A 2	Lincoln
Lucas, James Albert	L 1	Shenandoah, Ia.
Lucas, Margaret Dauphiney	A 1, FA	Plainview
Lucke, Richard Otto	M 1	Omaha
Luckey, Emil Fred	A 2	Columbus
Ludwick, John Calvin	A 1, C	Seward
Ludwick, Paul Gladstone	A 2	Seward
Ludwig, Glenn Stanley	A 1	Arlington
Luedeke, Louise Marie	A 1, (S)	Creston
Lufkin, Grace Osgood	A 1, (THS)	Fairfield
Lufkin, Mildred Van De Water	CA 4, T 4	Fairfield

ROSTER OF STUDENTS

601

Name	College and Year	Home Address
Lull, Estel Marjorie.....	A 1, FA.....	Lebanon, Kans.
Luna, Diosdado Lucas.....	A 1, (M).....	Lincoln
Lundeen, Earnest Warren.....	A 3, T 3.....	Keene
Lundmark, Gust Vivian.....	L 3.....	Omaha
Lute, Nelle Ida.....	Au, (Ex).....	Pikeston
Lutjeharms, Dolly Cora.....	A 3, T 3, (THS).....	Alma
Lutjeharms, Dorothea Elizabeth.....	CA 3, T 3.....	Alma
Lutton, John Dudley.....	A 1, (M).....	Beaver City
Lyle, Donald William.....	A 1, C.....	Omaha
Lyman, William Roy.....	A 1, (M).....	McDonald, Kans.
Lynch, James Eric.....	G.....	Lincoln
Lyne, J. Lloyd.....	E 4.....	Hastings
Lyon, Edith Arthella.....	CA 4, T 4, (S).....	Madison
Lytle, Verda Mae.....	Au, Tu, (S).....	Sutton
MacAdam, Mabel Florence.....	A 2.....	Potter
McAdoo, Gertrude Mae.....	A 1, FA.....	Hamburg, Ia.
McBain, Clara Esther.....	A 1.....	Minden
McBride, Fanny Fern.....	A 4, (Ex).....	Harvard
McBride, Lyle Erwin.....	E 1.....	Blair
McBride, Roda.....	CA 2, T 2.....	Buffalo, Wyo.
McBride, Ruea Diane.....	A 4, T 4.....	Lyons, Kans.
McCandless, Genevieve.....	A 2, T 2.....	Nemaha
McCandless, William Kenneth.....	A 1.....	Omaha
McCarl, Theodor Darwin.....	A 2, C, (Ex).....	Hastings
McCarthy, Rose Frances.....	Au.....	Wahoo
McCauley, Alice Imogene.....	A 1.....	Lincoln
McClelland, Anna.....	G, (Ex).....	Fullerton
McClinton, Reginald Sullivan.....	M 2.....	Alma, Mich.
McCoid, Harley.....	A 1, C.....	Ainsworth
McComb, Walter J.....	G, (S).....	College View
McCommons, John Leonard.....	A 3.....	Craig
McConnell, Lucille May.....	A 2, (M).....	Sutherland
McCorkindale, Hanna Elizabeth.....	A 3.....	Odebolt, Ia.
McCormack, Lawrence Ralph.....	M 2, (S).....	University Place
McCoy, Margaret Anne.....	A 4, T 4, (THS).....	Omaha
McCoy, William Franklin.....	A 3.....	Mitchell
McCoy, William Hubert.....	CA 1.....	Tecumseh
McCray, Myrtle Anna.....	Au, (S).....	Fullerton
McCrory, William Neal.....	E 2.....	Lincoln
McCune, Laura Persis.....	A 3, T 3, (S).....	Horace
McCusker, Mary Elizabeth.....	Au, (THS, S).....	Ogallala
McDermott, Fred Ambrose.....	CA 2, (Ex).....	Greeley
McDonald, Bess Vivian.....	CA 3, T 3.....	Wahoo
McDonald, Ethel Viola.....	A 3, T 3.....	Central City
McDonald, Hazel Helen.....	A 2, FA.....	Emerson
McDonald, Henry Stewart.....	L 1.....	Omaha
McDonald, John Theodore.....	M 1.....	Omaha
McDonald, Ora.....	A 4, (Ex).....	Lincoln
McDougal, Margaret Ethel.....	A 2, T 2.....	Tecumseh
McDougal, Sue.....	A 3, (Ex).....	Tecumseh
McDowell, Inez Lucile.....	A 3, T 3.....	Lyons
McFarland, Mildred Lucile.....	A 2, FA.....	Omaha
McCahey, Florence.....	G, (Ex).....	Lincoln
McGee, Harry Edwin.....	M 3.....	Osceola, Ia.

Name	College and Year	Home Address
McGerr, Mary Grace.....	A 1, FA.....	Falls City
McGerr, Helen Frances.....	A 3, T 3.....	Falls City
McGhee, Marjory Royse.....	A 1.....	Lincoln
McGinnis, Leroy Winfred.....	A 1, (M).....	Lincoln
McGloin, Anna Kathryn.....	A 4, T 4, (S).....	Wall Lake, Ia.
McGrew, Horace Harold.....	A 1.....	Cozad
McHale, Mary Gertrude.....	CA 1.....	Fairbury
McHugh, Bernard.....	Au.....	Bertrand
McIntosh, Grace.....	G, Ed, (S).....	Lincoln
McKee, Blanche Gibbons.....	A 1.....	Aurora
McKeen, Helen Ruth.....	Au, (S).....	Blair
McKeith, Alfred Bertram.....	A 4.....	Exeter
McKelvey, John Dinsdale.....	CA 4.....	Lincoln
McKelvie, Carl Leslie.....	CA 1.....	Fairfield
McKenna, Esther.....	A 1, FA.....	Lincoln
McKenney, Forrest Henry.....	E 3.....	Palmer
McKenney, Irvin A.....	E 1.....	Humboldt
McKenney, Ruth Leona.....	A 2, T 2.....	Palmer
McKenzie, Bernard Franklin.....	A 1.....	Carleton
McKesson, Nellie Orissa.....	A 4, T 4.....	Lincoln
McKimme, Mary Mabel.....	Au.....	Taylor
McKinley, Harold Courghtwright.....	L 1.....	York
McKinstry, Charles Vance.....	A 1.....	Sedgwick, Colo.
McLean, Leona.....	A 4, T 4, (S).....	University Place
McMahon, Byron John.....	CA 2.....	Lincoln
McMahon, Clara Marguerite.....	G.....	Lincoln
McMahon, Harold Francis.....	A 2, (Ex).....	Lincoln
McManigell, Blanche Elizabeth.....	A 1, (THS).....	Omaha
McMillan, Clare Teresa.....	A 1.....	Omaha
McMillen, Charles M.....	A 1.....	Lincoln
McMillin, J. Harold.....	Au.....	Lincoln
McNamara, Mary Agnes.....	A 3, (S).....	Omaha
McNamee, Clarence Gordon.....	A 2.....	Norfolk
McNichols, Anna Lucille.....	A 1, (S, Ex).....	Atkinson
McNichols, Mary Genevieve.....	Au, (S, Ex).....	Atkinson
McNichols, Sara Laurentia.....	A 1, (S).....	Atkinson
McPherson, Ralph Wilmer.....	A 1.....	Craig
McQuistan, Janet Amour.....	A 4, T 4.....	Bloomfield
McRae, Alice Jean.....	A 2, T 2, (S, Ex).....	Lincoln
McRae, Ellen Janet.....	A 2, T 2, (S).....	Lincoln
McRae, Glenn.....	Au, (S).....	Bethany
McReynolds, Gladys.....	A 2.....	Ashland
McShane, Leo Francis.....	CA 4.....	Omaha
Maassen, Delbert Dewitt.....	CA 3.....	Tilden
Macaulay, Margaret Ellen.....	A 4, T 4, (S).....	Clearwater
Machstzki, Paul Otto.....	G, Ed, (S).....	Ponca
Mackey, Harold Lynn.....	A 2.....	Eustis
Mackey, Marcellus Glen.....	L 1.....	Eustis
Mackey, Thomas.....	A 1.....	Ansley
Mackey, William.....	A 3, C, (THS).....	Ansley
Mackprang, Alfreda Margert.....	A 2, C.....	Cedar Bluffs
Mackspring, Gretchen Amelia.....	CA 4, T 4, (S).....	University Place
Madden, Kenneth Clair.....	E 1.....	Burchard
Maddox, William McKinley.....	A 3.....	Falls City

ROSTER OF STUDENTS

603

Name	College and Year	Home Address
Madsen, August Henry.....	A 1, (M).....	Wayne
Magnuson, Joseph Albert.....	Au.....	Loup City
Maguire, Bess Lucile.....	Au.....	York
Maguire, George.....	A 1.....	Hiawatha, Kans.
Maguire, Teresa.....	CA 2, T 2.....	York
Mahan, Arthur Leroy.....	M 1.....	Gothenburg
Mahan, Glenn Edgar.....	Au.....	Gothenburg
Mahaney, Alyce Marguerite.....	Au.....	Wichita, Kans.
Mahoney, Joseph LeRoy.....	E 1.....	Palmyra
Mailender, Julia Judith.....	CAu, (S).....	Spalding
Main, Hays McElray.....	A 2.....	Wayne
Maitani, Hikojiro.....	G.....	Lincoln
Maitland, Helen Janet.....	A 1.....	Lincoln
Majors, Helen Barbara.....	Au, (S).....	Lincoln
Mallery, Leone Lucile.....	A 1, FA.....	Alliance
Malm, Frances Eleanor.....	CA 2.....	Norfolk
Maloney, Emma Patricia.....	A 1.....	Lexington
Mandalian, Jacob Garabet.....	G.....	College View
Mann, Annabell.....	A 2, T 2.....	Lincoln
Mann, Lula Margaret.....	A 4, T 4, (Ex).....	Creighton
Mapel, Agnes Emily.....	CAu.....	Lewellen
Mapes, Charles Boyd.....	G, Ed, (S).....	Lincoln
Mapes, Dwight Burritt.....	A 3, (Ex).....	Lincoln
Marcy, Mignon Josephine.....	A 1, (S).....	Ashland
Margolin, Benjamin Franklin.....	E 2.....	Omaha
Margolin, Morris.....	A 1.....	Omaha
Marker, Bernice Beulah.....	Au.....	Lincoln
Marquis, Vance W.....	A 4, (Ex).....	Lincoln
Marquis, William James.....	2 P 2.....	Stromsburg
Marrs, Mary Edith.....	Au, (S).....	Bayard
Marrs, Ralph Merton.....	G, Ed, (S).....	Bayard
Marshall, Payson Day.....	A 2, (Ex).....	Panama
Martin, Geraldine.....	Au.....	Cortland
Martin, James S.....	E 3.....	Rising City
Martin, John Emery.....	2 P 1.....	Maxwell
Martin, Lucia Mary.....	CAu.....	University Place
Martin, Minnie Alice.....	Au, (Ex).....	Fairbury
Martin, Paul Lawrence.....	A 2, C.....	Kearney
Marty, Faye Euphemia.....	A 2, T 2.....	Council Bluffs, Ia.
Maryott, Alma Elizabeth.....	CA 3.....	Lincoln
Maryott, Florence Mary.....	A 4, T 4.....	Lincoln
Mason, Myrtle Keegan.....	Au.....	Lincoln
Mason, Ralph Louis.....	2 P 1.....	Walthill
Mathews, Cecil Irvin.....	A 2.....	Lincoln
Mathewson, Louise.....	G, (Ex).....	Lincoln
Mathiasen, Alfred Henry.....	E 1.....	Omaha
Matson, Martin.....	E 2.....	Bertrand
Matteson, Rosell Collis.....	A 1, C, (THS).....	Geneva
Matthews, Harold David.....	A 2, C, (THS).....	Crofton
Matzke, Orville Wm.....	CA 1.....	Western
Matzner, John Gust Adolph.....	G.....	Lincoln
Mauck, Lucile Evangeline.....	A 2, T 2.....	Lincoln
Mauck, William Theodore.....	A 1.....	Lincoln
Mauer, Roy Thornell.....	M 4.....	Omaha

Name	College and Year	Home Address
Maupin, Verda Zora.....	A 3, T 3, (S).....	Davenport
Mawe, Vesta Mildrae.....	A 4, T 4.....	Lincoln
May, Charles Foster.....	E 2.....	Bremen, Ind.
May, Don.....	A 4, L 1.....	Lincoln
May, Lois Lattin.....	A 3, T 3, (S).....	Lincoln
May, Mina.....	A 4, T 4, (THS).....	Hayes Center
Mayes, Halford Jennings.....	A 1.....	Rushville
Mayes, Leroy Harold.....	A 1.....	Lincoln
Maynard, Frances.....	A 1.....	Lincoln
Mead, Earl C.....	CA 2.....	Cozad
Mead, Lyman Brome.....	A 3, (THS).....	Ashland
Meeds, Olive Graham.....	A 2.....	Lincoln
Meese, Ruth B.....	Au.....	Lincoln
Melcer, Karl Bruce.....	CA 1.....	Wilber
Melcher, Sylvia Elizabeth.....	CAu.....	Wisner
Melcher, William Henry.....	M 2.....	Omaha
Melvin, Edith L.....	A 1.....	Cedar Rapids
Menagh, Rosavere.....	A 1.....	Denison, Ia.
Mende, Irene Belva.....	A 1.....	Lincoln
Mendenhall, Raymond Eli.....	G, Ed, (S).....	Oskaloosa, Ia.
Mengel, Waldo Henry.....	E 1.....	Wahoo
Menke, Minnie.....	CA 4, T 4.....	Crete
Merrick, Ruth Beatrice.....	A 4, T 4.....	Osceola
Merrill, Lena.....	Au, (Ex).....	Lincoln
Meserve, Frank G.....	A 3, (M, S).....	Lincoln
Meserve, Irene Claybaugh.....	A 1.....	Lincoln
Mettlen, John.....	A 3.....	Winside
Metzgar, Walter Alvin.....	CA 2.....	Mound City, Mo.
Metzger, Lawrence William.....	E 1.....	Alma
Metzinger, Delbert John.....	A 2, FA.....	Blair
Metzinger, George Ross.....	A 1, (M).....	Fremont
Meyer, Alvine Helen.....	A 3, (S).....	Columbus
Meyer, Andrew.....	M 2.....	Dannebrog
Meyer, Clifford C.....	A 1.....	David City
Meyer, Ida Elizabeth.....	A 1, FA.....	Sidney, Ia.
Meyer, Mildred Katharine.....	A 1, FA.....	Mound City, Mo.
Meyer, Susa Mary.....	Au.....	University Place
Meyers, Florence.....	Au.....	Germantown
Michener, Alma Genevieve.....	A 1, FA.....	Council Bluffs, Ia.
Mickel, Clarence Eugene.....	G.....	Lincoln
Milek, Margaretta Beatrice.....	A 2.....	Sturgis, S. D.
Milford, Ruth.....	A 2, T 2, (THS).....	Ord
Millar, Wilmar Leland.....	E 3.....	North Bend
Miller, Ada Cynthia.....	Au.....	Lincoln
Miller, Alvin Henry.....	Au, (S).....	Lincoln
Miller, Bernice Amanda.....	A 4.....	Bellevue
Miller, Earl Edgar.....	A 2.....	University Place
Miller, Edith Margaret.....	G, (S).....	Gibbon
Miller, Edward Max.....	A 3.....	Lincoln
Miller, Erwin Phelps.....	A 2, (M, S).....	Gibbon
Miller, Eva Irene.....	A 4.....	Fremont
Miller, Frank Jacob.....	L 1.....	Wood River
Miller, Glenn Eugene.....	G, (S).....	Ravenna
Miller, Glenn Harold.....	M 3.....	Harlan, Ia.

ROSTER OF STUDENTS

605

Name	College and Year	Home Address
Miller, Hazel Pearl.....	CA 1.....	Normal
Miller, Helen R.....	A 4, (Ex).....	David City
Miller, Jeanette A.....	A 1.....	Lincoln
Miller, Jeannette.....	A 3, T 3, (THS).....	Logan, Ia.
Miller, Lorena Dorothea.....	A 3, FA.....	Lincoln
Miller, Louise.....	G.....	Lincoln
Miller, Myrtle Eda.....	CA 3, T 3.....	Lincoln
Miller, Ruth.....	A 2.....	David City
Miller, Walter Charles.....	M 2.....	Culbertson
Miller, Winifred Sanderson.....	A 4, T 4.....	Lincoln
Mills, Eva Ruth.....	A 4, FA, (THS).....	Lincoln
Mills, Ferne Persis.....	A 2, T 2.....	Denison, Ia.
Mills, Leone Fay.....	A 2, FA, (THS).....	Logan, Ia.
Miner, Charles Arnold.....	E 1.....	Graf
Minford, Valentine.....	CA 4, T 4.....	Elmwood
Mingus, Clark Vernon.....	E 1.....	Ravenna
Minor, Helen Mae.....	A 3, T 3.....	Lincoln
Minshall, Hazel Goldie.....	Au.....	North Platte
Minthorn, Martin Lloyd.....	M 2.....	Lincoln
Mitchell, Bernice Mabel.....	CA 2, (S).....	Lincoln
Mitchell, Fred Ralph.....	A 1.....	Clearwater
Mitchell, Roma Josephine.....	A 1, (S).....	University Place
Mittelstadt, Paula Elizabeth.....	A 2, T 2.....	Winside
Mitten, Helen Aline.....	A 2, T 2.....	Tekamah
Mockett, Emily.....	A 3, T 3, (Ex).....	Lincoln
Mockett, Julia Ellis.....	CA 2, (THS).....	Lincoln
Moffatt, Josephine Cooper.....	A 1.....	Shenandoah, Ia.
Mogensen, Annie Martha.....	G.....	Fullerton
Monahan, Earl Harrison.....	CA 1.....	Hyannis
Monfort, Davida Mae.....	Au.....	Randolph
Montgomery, Edith Ora.....	A 3.....	Firth
Montgomery, William Don.....	A 4.....	Superior
Moodie, Robert Readinger.....	A 3.....	West Point
Moor, Wilson F.....	A 1, (Ex).....	Basin, Wyo.
Moore, Eugenia Jeanette.....	A 2.....	Lincoln
Moore, Hazel Izora.....	CAu.....	Shelby, Ia.
Moore, James Stuart.....	L 1.....	Derby, Ia.
Moore, Jesse Miller.....	A 1.....	Lincoln
Moore, Leila Blanche.....	CA 4, T 4.....	Tekamah
Moore, Lois G.....	Au.....	Lincoln
Moore, Ruby Robins.....	A 1, (S).....	Ceresco
Moore, Thomas John.....	A 1.....	Wood River
Moore, Wendell Waite.....	M 1.....	Omaha
Moran, Ardeith Cornelia.....	A 1.....	Nebraska City
Moran, Edwin Francis.....	A 1.....	Nebraska City
Moran, Ellen Sarah Honora.....	Au.....	Lincoln
Moran, William Cornelius.....	A 1, C, (Ex).....	Havelock
Moran, Winnifred Delpha.....	A 4, (THS).....	Hyannis
Morcom, Edmund Bailey.....	A 3, (THS).....	Omaha
Morgan, Donald Hobart.....	M 1.....	Danbury
Morgan, Frances Willard.....	Au, (S).....	Guide Rock
Morgan, Harold Smith.....	A 1, (M).....	Lincoln
Morgan, Joy Elmer.....	A 4, (S).....	Guide Rock
Morgenstern, Isador.....	A 2.....	Lincoln

Name	College and Year	Home Address
Morgenthaler, Edna	A 4, (S).....	Lincoln
Moritz, Alan Richard.....	A 2, (M, S).....	Seward
Moritz, Mae Christianna.....	A 3.....	Stella
Morris, Ernst Henry.....	M 3, (S).....	Omaha
Morris, Helen Emma.....	A 1.....	McCool Junction
Morrison, Lucile Violet.....	CA 1.....	Lincoln
Morrow, Teresa	A 1.....	Alliance
Morse, Mildred	A 3, T 3.....	Lincoln
Mortensen, Oscar	A 1, (M, Ex).....	Farwell
Mortimer, Agnes Ogilvie.....	Au, (Ex).....	Lincoln
Mortimer, Margaret Craig.....	Au, (Ex).....	Lincoln
Moseley, Glen Harrison.....	CA 4, (S).....	Lincoln
Moseman, Vernie Irene.....	CA 2.....	Emerson
Moses, Mertie	Au	Lincoln
Mote, Marion Chloris.....	A 1.....	Alliance
Moulton, DeLoss Page.....	CA 3.....	Wymore
Movius, Marie Josephine.....	CA 1.....	Lincoln
Muckel, Lena	A 1, (Ex).....	Bloomington
Mudd, Fabian Thurmond.....	A 1, FA.....	Falls City
Mueller, Edward William.....	Au, (S).....	Seward
Mueller, William Archibald.....	E 1.....	Springfield
Muffly, Paul Bernard.....	A 1.....	Orchard
Muir, Sarah Theodosia.....	G	Lincoln
Mulligan, Allan W.....	M 1.....	Beatrice
Mulligan, Harold Rowe.....	M 2, (S).....	Beatrice
Mulvihill, Marguerite Dwyer.....	A 3, FA.....	Lincoln
Muneke, Harold Davenport.....	L 1, (Ex).....	Lincoln
Muneke, Harriette Rebecca.....	CA 1.....	Lincoln
Munger, Elbert Ervin, Jr.....	A 2, (M).....	Spencer, Ia.
Munger, Gertrude Margaret.....	A 4, (Ex).....	Spencer, Ia.
Munger, Ervia Clarence, Jr.....	E 1, (THS).....	Lincoln
Munn, Wade F.....	L 1.....	Lincoln
Munn, Wayne H.....	A 2.....	Lincoln
Munson, Eunice Constance.....	G, Ed, (S).....	Lincoln
Munson, Sarah Leta.....	A 1.....	Lincoln
Murphey, James Bradford.....	M 2.....	Omaha
Murphy, Agnes Leora.....	CA 3, (S).....	Vesta
Murphy, Esther Maurine.....	A 3, T 3.....	Sidney, Ia.
Murphy, James Thomas.....	2 P 1.....	Harrison
Murphy, Mae Marcella.....	CA 2, (S).....	Lincoln
Murray, Anna Catherine.....	A 2, T 2.....	Omaha
Murray, Floyd Joshua.....	M 2.....	Pender
Murray, Mary Eleanor.....	A 1.....	Pender
Murry, Mildred Catherine.....	A 1.....	Hamburg, Ia.
Muskin, Nathan	M 2.....	Omaha
Musselman, Norman Beachy.....	A 4, C, (Ex).....	Arkansas City, Kans.
Muzzy, Hazel Adele.....	A 1.....	Bloomington
Myers, Eda Bernice.....	G, (S).....	Lincoln
Myers, Etta Smoyer.....	Au, (S).....	Lincoln
Myers, Grayce	A 2, T 2.....	Diller
Myers, Lloyd	M 4, (S).....	Fort Crook
Myers, Roy George.....	Eu, (THS).....	Fairbury
Myers, Ruth M.....	Au, FA, (THS).....	Superior
Nedom, Henry Arthur.....	A 2.....	Shelby
Neff, Lyle Glen.....	Au	Lincoln

ROSTER OF STUDENTS

607

Name	College and Year	Home Address
Nelson, Bernice Ethelden.....	A 4.....	Omaha
Nelson, Clara Jeanette.....	G.....	Lincoln
Nelson, Frank Arleigh.....	A 1, (M).....	Burley, Idaho
Nelson, Hazel Esther.....	CA 2, T 2.....	College View
Nelson, Jean Orion.....	E 3.....	Sterling, Colo.
Nelson, Leonard Elbert.....	E 2.....	Pierce
Nelson, Magnus Herman.....	A 1.....	Stromsburg
Nelson, Oscar Emmanuel.....	L 3.....	Oakland
Nelson, Rhe Nida.....	A 1.....	Sidney, Ia.
Nerud, James W.....	E 1.....	Minatare
Nesbit, Robert Alexander.....	A 3, (Ex).....	Tekamah
Neubauer, Greta.....	Au, (S).....	Hildreth
Neuman, Robert Reinhold.....	G, (S).....	College View
Neuman, Ruth Marie.....	CA 2.....	Stanton
Neumann, Birge Morton.....	A 3, C.....	Oakland
Neville, Bernard Russel.....	2 P 1.....	Hildreth
Neville, John William.....	M 2.....	Omaha
Neville, Mable Esther.....	CA 2, T 2, (S).....	Chester
Newbecker, Bernice Mitchell.....	G.....	Ord
Newbranch, Katharine Louise.....	A 3.....	Omaha
Newcom, Floyd Lesley.....	M 2, (Ex).....	Arlington
Newhall, Redondo Everett.....	A 2, (M).....	West Point
Newman, Esther P.....	A 1.....	Norfolk
Newman, Richard W.....	A 1.....	Columbus
Newmyer, Helen Marie.....	A 1.....	Lyons
Newquist, Melvin Nathaniel.....	A 1, C.....	Wausa
Newton, George Wilber.....	A 1.....	Redfield, Ia.
Newton, Helen Frances.....	A 1, FA.....	Lincoln
Newton, William.....	Au.....	Omaha
Nicholas, Alice Ursula.....	Au, (S).....	Mason City
Nichols, Dorris Ellen.....	A 1, FA.....	Lincoln
Nichols, Dwight Ogden.....	A 1.....	New Castle, Wyo.
Nichols, Grace Margaret.....	A 4, (S).....	Lincoln
Nichols, Margaret.....	A 1, (THS).....	David City
Nickerson, James Harold.....	A 1.....	St. Edward
Nickum, Oliver Clarke.....	A 2, Mu.....	Omaha
Nielsen, Caroline Signe.....	C, Ed.....	Omaha
Nielsen, Thorwald Christian.....	Au, FA, (Ex).....	St. Paul
Nielson, Arthur Lawrence.....	M 3, (S).....	College View
Nielson, Emma Christine.....	A 2, T 2.....	Denison, Ia.
Nieman, Helen Octavia.....	A 1.....	Omaha
Nikl, Sylvia Jirina.....	A 2, FA, (THS).....	Verdigre
Nissen, Anna Henrietta.....	A 1.....	Walnut, Ia.
Nitsche, Audrey Lucille.....	A 2, (Ex).....	Omaha
Noble, Jennie Fern.....	A 3, (THS).....	Shoshone, Wyo.
Noble, Margaret Emilie.....	A 2, FA.....	Lincoln
Noble, Roy Cecil.....	A 2, (M).....	Beatrice
Noerenberg, Jess Herman.....	A 3.....	Sutton
Noh, Robert Henry.....	E 2, (THS).....	Clarkson
Nohavee, Fred Robert.....	E 4.....	Crete
Nolan, Martin John.....	M 3.....	Alliance
Noll, William Clarence.....	G.....	Genoa
Norall, Burton.....	M 1.....	Overton
Nordgren, August Edward.....	G, (S).....	Pender

Name	College and Year	Home Address
Nordlund, Julian C.	A 2.	Stromsburg
Nordstrom, Esther	A 1, (S)	Havelock
Nordstrom, Lillian	A 1, (S, THS)	Havelock
Norman, Ardath Nellie	A 1.	Chester
Norman, George Ralph	A 2, (M)	Chester
Norris, Cedell Albert	Au	Denver, Colo.
Norris, Marian	CA 4.	McCook
Norris, William Arthur	CA 4, (S)	North Platte
Nosky, Richard Frank	E 3.	Nebraska City
North, Lorren Earl	CA 3.	Bridgeport
Northrup, Laurance Curtis	M 3.	College View
Novotny, Edward Louis	A 2, (S, Ex)	Elm Creek
Noyes, Bessie	G, (S)	Lincoln
Noyes, Halsey Coy	CA 3.	Waterloo
Noyes, Laurence Carlton	CA 2.	Waterloo
Nunemaker, Greta Marie	A 4.	Tobias
Nuss, Opal	A 2.	Sutton
Nyberg, Nan B.	A 2, T 2.	Wakefield
Nystrom, Emily Marie	CA 3.	Omaha
Nystrom, Sophia Amanda	A 1, (S)	Litchfield
Oakley, Enoch Reed	2 P 1.	Palmyra
Oberlander, Vita Estelle	G, (S)	Normal
Oblander, Paul Victor	G	Lincoln
O'Brien, Ruth	G, (S)	Lincoln
Ochsner, Edmund Fred	E 1.	Ansley
Odell, Avis Aleta	A 1, (S)	Wahoo
O'Donnell, Mary Ellen	A 1, FA, (THS)	Lincoln
Ohde, Hilda	A 2.	Manning, Ia.
Ohde, John	E 1, (THS)	Manning, Ia.
O'Keefe, Ethel Catherine	A 2, (Ex)	Beatrice
O'Keefe, Marian Janette	A 1, FA.	Beatrice
Ollis, James Brown	CA 1.	Ord
Olsen, Ethel	G, Ed.	Sioux City, Ia.
Olsen, Nanna Elena	A 2.	Weeping Water
Olson, Agnes Marie	A 2, T 2, (THS)	Lincoln
Olson, Carl Adolph	CA 4.	Holdrege
Olson, Carl Lester Elmer	Au, (S)	Pacific Junction, Ia.
Olson, Harold William	A 1.	Crofton
Olson, Oscar Evald	M 1.	Swedeberg
Olson, Willard Martin	E 1.	Wahoo
Oman, Ferne	A 3, FA.	Wayne
O'Neal, Elsie Elma	Au	Bayard
O'Neal, Mary Elizabeth	A 2, T 2.	Lincoln
O'Neill, Harry John	Au, (S, Ex)	Lincoln
O'Neill, Mabel Manwaring	G, (S)	Lincoln
O'Neill, Richard, Jr.	A 1, FA	Lincoln
Ormsby, Lois Edna	A 2.	Kearney
Orr, Alice DeEtte	A 1, (Ex)	Omaha
Orr, Fred Loper	E 3.	Craig
Osborn, George Daniel	E 1.	Tilden
Osborn, Margaret Frances	A 2, T 2, (S)	Lincoln
Osborn, Maybelle	CAu, (S)	Havelock
O'Shea, Florence Catharine	A 1.	Lincoln
Osheroff, Sam A.	M 3, (S)	Omaha

ROSTER OF STUDENTS

609

Name	College and Year	Home Address
Osmer, Hazel Frances.....	CAu	Lincoln
Ostenberg, Isabelle Caroline.....	CA 1.....	Mead
Ostry, Joseph Method.....	Au, (S, Ex).....	Prague
Oswald, Fred LeRoy.....	E 3.....	Lincoln
Otoupalik, Hugo Medford.....	A 4, T 4.....	David City
Outhouse, Alberta June.....	A 1.....	Loup City
Overstake, Jesse Raymond.....	CA 1.....	Cambridge
Owen, Donald Robert.....	M 4.....	Omaha
Owens, Leona Lindsley.....	A 2, (M).....	Sidney
Owens, Robert Oscar.....	A 1, C, (THS).....	Lincoln
Pacal, Lillian Edna.....	Au	Lincoln
Pace, Jerome V.....	M 1.....	Lincoln
Paine, Leland Shumway.....	A 1.....	Lyons
Palensky, John.....	A 1.....	Prague
Pallat, Henry J.....	E 1, (Ex).....	Wahoo
Palmateer, Homer Royal.....	A 3.....	Creston
Palmer, Helen Agnes.....	A 3, FA, (THS).....	Lincoln
Palmer, James Jallier.....	Au	Franklin
Palmer, Lloyd.....	A 3.....	Tekamah
Palmer, Tella.....	A 1, (Ex).....	Welda, Kans.
Palmer, Walter Bowman.....	E 2.....	Lincoln
Paper, Clara.....	Au	Bloomfield
Papez, Emilie.....	Au, (Ex).....	Leigh
Papke, Bernharte Emil.....	Eu	Lincoln
Park, Esther Eastman.....	A 1.....	Omaha
Park, Ralph Herbert.....	E 4.....	Lincoln
Parker, Gladys B.....	A 1, (Ex).....	Ravenna
Parks, Daisy Irene.....	A 2, T 2.....	Ashland
Parks, Josiah D.....	Au	Lincoln
Parmenter, Harley.....	A 3.....	Kenesaw
Parrott, Robert Brinson.....	E 1.....	Beatrice
Parry, Donald Dwight.....	A 2.....	Lincoln
Parry, Mary.....	A 1, (THS).....	Monroe
Parry, Raymond Patton.....	L 2.....	Lincoln
Parsons, Clarence Usher.....	A 1.....	Omaha
Parsons, Susanne Ring.....	G, (S).....	Lincoln
Partington, Anna.....	A 2, T 2.....	University Place
Partington, Hazel Alice.....	A 3, T 3.....	University Place
Partington, Mary.....	A 4, T 4, (S, Ex).....	University Place
Partridge, Edwin Maynard.....	G, (S).....	Omaha
Pate, Walter Romny.....	A 4, (S, Ex).....	Alliance
Patt, Luella Mae.....	A 3, T 3.....	Creston, Ia.
Patterson, Sarah Etta.....	G	Lincoln
Patton, Mildred Merle.....	G	Fremont
Patty, Frank Douglas.....	A 1, C.....	Fonda, Ia.
Patty, Jesse Fred.....	A 1.....	Omaha
Patz, Louis John.....	A 1.....	Lincoln
Paul, McElroy Brooks.....	A 1.....	Lincoln
Pearson, Harold A.....	E 1.....	Omaha
Pedrett, Louise Marie.....	A 1, C, (THS).....	Kimball
Peery, Harriet Grey.....	A 3, T 3, (THS).....	Lincoln
Pegler, Edna Charlotte.....	CA 4, T 4, (S).....	Lincoln
Pegler, Ethel Artha.....	G, (S).....	Lincoln
Pegler, Floyd Sherman.....	A 4.....	Palmyra

Name	College and Year	Home Address
Pegler, Ilma E.....	A 3, (Ex).....	Havelock
Peirce, Eugenia Ware.....	A 3, T 3, (Ex).....	Arapahoe
Pelton, Evangeline.....	A 3, T 3.....	Lincoln
Perdue, Byron D.....	A 4, L 1.....	Lincoln
Perez-Guerra, Consuelo.....	G.....	Bethany
Perkins, Winifred.....	A 3.....	Mullen
Perrigo, Fred Monroe.....	A 2, C.....	Fremont
Perry, Margaret Evangeline.....	A 2.....	Lincoln
Perso, Ralph Ferdinand.....	CA 2.....	Dalton
Perusse, Esther Anna.....	Au, (S).....	Lincoln
Peters, Claude Ferdinand.....	A 1, (M).....	North Platte
Peters, John Frederick.....	A 1.....	Yutan
Peters, Marie Dorothea.....	Au, (S).....	Buffalo
Peters, Pauline.....	A 4, (S).....	Yutan
Peters, Ray.....	Au, (S).....	Gresham
Petersen, Anna Marie.....	A 2, T 2.....	Nehawka
Petersen, Carl John Arvid.....	CA 1.....	Lincoln
Petersen, Johannes P.....	E 2.....	Omaha
Peterson, Carl Raymond.....	Au.....	Stromsburg
Peterson, Charles Edward.....	A 3.....	Omaha
Peterson, Chester Arthur.....	CA 1.....	Wakonda, S. D.
Peterson, Fern H.....	A 1, FA.....	Lincoln
Peterson, Forrest.....	CA 1.....	Ord
Peterson, Harland Raymond.....	CA 1.....	Seward
Peterson, Harold Olaf.....	E 1.....	Blair
Peterson, Linnea Dorothea.....	A 1.....	Lincoln
Peterson, Lloyd Edward.....	L 1.....	Gothenburg
Peterson, Nona Myoma.....	CA 3, T 3, (S).....	Lincoln
Peterson, Paul Jeffry.....	A 2.....	Neligh
Peterson, Russell Einer.....	A 2, C.....	Aurora
Petroshek, Otto Frank.....	CA 1.....	Humboldt
Petring, Catharine Isabel.....	A 4, (S).....	Lincoln
Pettis, Donald Lathrop.....	A 1, C.....	Lincoln
Pettis, Dorothy Bradford.....	A 3, T 3.....	Lincoln
Pettis, Marian Hebard.....	G, (S).....	Lincoln
Pflug, William Charles.....	CA 1.....	Ohioa
Phelan, Gladdays Mary.....	CA 1.....	Grand Island
Phifer, Irene Elizabeth.....	A 3, T 3.....	Lincoln
Phillippi, Fern Elizabeth.....	A 1, (S).....	David City
Phillips, Albert Jackson.....	L 1.....	Columbus
Phillips, Eva Fern.....	G, Ed, (S).....	Beatrice
Phillips, Gayle Marie.....	A 4, T 4, (S, THS, Ex).....	Henderson, Ia.
Philpot, Irene Viola.....	CA 1.....	Lincoln
Pickett, Harold Truman.....	A 1.....	Lincoln
Pickett, John Coleman.....	L 1, (Ex).....	Scottsbluff
Pickwell, Gayle Benjamin.....	A 1.....	Murdock
Pickwell, Glenn Vincent.....	E 1.....	Murdock
Pierce, Catherine Jane.....	A 4, FA.....	Belleville, Kans.
Pierce, Dona Stoker.....	CA 1.....	Lincoln
Pierce, Dorothy.....	A 3, T 3.....	Tecumseh
Pierce, Gladys Elsa.....	A 1.....	Lincoln
Pierce, Minnie Louise.....	A 1.....	Lincoln
Pinkley, Fern Olga.....	A 3, (S).....	Ansley
Pitzer, Charles Henry.....	Au.....	Lincoln

ROSTER OF STUDENTS

611

Name	College and Year	Home Address
Plass, Madge E.	A 1, FA	Madison
Plehn, Frank Adair	A 1	Scottsbluff
Plehn, Kenneth Karl	CA 2	Scottsbluff
Polhemus, Winifred	A 3, T 3, (S)	Holdrege
Polk, Luvern Marie	A 2, T 2	Lincoln
Polk, Marguerite Thecla	Au	Lincoln
Pollak, Nettie A.	A 3, (S)	Lincoln
Pollock, Fay Hall	L 2	Omaha
Polnicky, Emil James	CA 2, (Ex)	Red Cloud
Pool, Ella B.	Au	Lincoln
Pool, Vera	G, (S)	Lincoln
Pool, Warren R.	E 1, (THS)	Lincoln
Poorbaugh, Hazel Fay	A 2, (S)	Lincoln
Poor, Waldo Merle	E 1	Dawson
Porter, Helen	A 1	Alma
Poska, Rebecca Ruth	G, Ed	Lincoln
Poska, Sidney Charles	L 3	Lincoln
Pospisil, Emma	A 3, T 3, (THS)	Prague
Possner, Helene Catherine	CA 4, T 4	Omaha
Posson, Melancthon Braham	CA 4	Hayes Center
Pothast, Orris Joseph	L 1	Lincoln
Potter, Laird Irwin	L 1	Red Cloud
Powell, Carl Herbert	CA 2	Alliance
Power, Julia Agnes	A 4, T 4, (Ex)	Sioux City, Ia.
Powers, Regina Mary	A 4, (Ex)	Flandrion, S. D.
Powers, Vernie Blanche	A 4, (S)	Kensington, Kans.
Pratt, Gerald Edward	A 1, (M)	Tekamah
Prawitz, Arthur Frederick	3 P 3	West Point
Preece, Jean Gertrude	A 2, (S)	Battle Creek
Prewitt, Camylle Anne	Au	University Place
Price, Frederick Homer	Au, (Ex)	Ainsworth
Price, Katharine Alexina	Au, (S)	Lincoln
Priesner, Wilhelmina Fredericka	A 2, (S)	Lincoln
Priest, James Michael	A 1	Concordia, Kans.
Priest, Paul Herbert	M 2	University Place
Prince, Marion Elizabeth	E 1	Omaha
Prokes, Sylvia	Au, (Ex)	Schuyler
Prokop, Rudolf Victor	G, (S)	Wilber
Proskovec, Louis Anton	A 3	Lincoln
Proudfit, Dan R.	A 2, (Ex)	University Place
Proushan, David	CA 2	Lincoln
Provost, Orison Calvin	E 1	Lincoln
Pruner, Gifford Harold	A 1, (M)	Kennard
Puris, Abram	M 3	Omaha
Putt, Charles Joseph	L 2	Mankato, Kans.
Qualset, Jens	A 1, (M)	Petersburg
Quesner, Irma Mabel	A 1, FA, (THS)	Howells
Rabe, Elizabeth Marie	A 3, (S)	Lincoln
Rabe, Frederick William	E 4	Lincoln
Radinsky, Edwin Aaron	A 1, C	University Place
Rahn, Mary Gladys	A 2, (THS)	Newcastle
Ramey, Harriet Lenora	A 4, T 4	Lincoln
Ranard, Alfred Roberts	A 1, C	Valentine
Randall, Everett Lyman	L 3	Gibbon

Name	College and Year	Home Address
Rankin, Jeane Marie.....	Au.....	Cambridge
Ranslem, Annabelle.....	Au, C, (THS).....	Scribner
Rasmussen, Elmer Willard.....	E 2.....	Alma
Rasmussen, Earl Copley.....	A 2, (M).....	Ravenna
Ratcliff, Margaret Louise.....	A 1.....	Central City
Ratcliffe, Forrest Dale.....	Au.....	Benkelman
Rathkey, Arnold Chester.....	E 2.....	Omaha
Raub, Leo Gerard.....	G.....	Lincoln
Ravitz, Sol.....	M 2.....	Omaha
Rawlings, Ocea Miriam.....	A 3, T 3.....	Elliott, Ia.
Raymond, Bruce Munson.....	A 1, (Ex).....	Lincoln
Read, Florence Alva.....	G, (S).....	Merna
Read, Pansy.....	A 2, T 2, (S).....	Merna
Ream, Loy Gertrude.....	CA 2, T 2.....	Broken Bow
Ream, Raymond Henry.....	E 1.....	Dakota City
Reavis, Joseph Carol.....	A 1.....	Falls City
Reckmeyer, Vida Eulalia.....	CA 3, T 3.....	Osceola
Redd, Leonard Berry.....	CA 1.....	Riverton, Ia.
Redelfs, John William.....	A 2, C.....	Bruning
Redelfs, Lammert Herman.....	A 3, C.....	Bruning
Redmond, Asa Enos.....	E 1.....	Auburn
Reece, Alta Estelle.....	A 4, T 4.....	Lincoln
Reed, Albert Alison.....	G, Ed.....	Lincoln
Reed, Carolyn Margaret.....	A 2, (Ex, S).....	Lincoln
Reed, Charles Seymour.....	L 2.....	Arnold
Reed, Florence.....	A 2, T 2.....	Lincoln
Reed, Harry Lee.....	A 3, (S, Ex).....	Beaver Crossing
Reed, Hattie Belle.....	Au.....	Lincoln
Reed, Lillian Eleanor.....	A 1, FA.....	Randolph
Reed, Oliver Puterbaugh.....	E 3.....	Nebraska City
Reeder, Marion Graham.....	A 4.....	Columbus
Reeker, Ernest Lenord.....	L 1.....	Battle Creek
Rees, Elizabeth.....	Au, (S).....	Sheridan, Wyo.
Reese, Alfred Irvin.....	A 3.....	Randolph
Reese, Bertha Ann.....	A 1, FA.....	Randolph
Reeves, Bessie Irene.....	A 1, FA.....	Byron
Reeves, Glenn Sterritt.....	E 4.....	Omaha
Reeves, Joseph Austin.....	A 3, (S).....	Douglas
Regan, Jeannette Margaret.....	A 1.....	Grand Island
Regnier, Blanche.....	Au.....	Clyde, Kans.
Reid, Joseph Golden.....	A 1, C, (THS).....	Superior
Reida, Frank Kelly.....	Au, (THS).....	Lincoln
Reiher, Helen Mamie.....	A 4, T 4, (THS).....	Red Cloud
Reimund, Frances Scott.....	Au.....	Lincoln
Reimund, Harry H.....	A 4, (S).....	Lincoln
Reinhart, Dale Hiram.....	A 2.....	Diller
Reinke, Bertha Anna.....	A 1.....	South Bend
Reinsch, Frank Herman.....	G.....	College View
Reinsh, Ernest Robert.....	A 1, (M).....	Crofton
Reith, Allan Funder.....	M 1.....	Lincoln
Reynolds, Harry Burch.....	L 2.....	Lincoln
Reynolds, Katherine Ruth.....	A 1.....	Omaha
Reynoldson, Addie.....	G, Ed.....	St. Edward
Rezabek, Lewis Ferdinand.....	A 1, (S).....	Wilber

ROSTER OF STUDENTS

613

Name	College and Year	Home Address
Rhoda, Eva May.....	A 1.....	Lyons
Rhode, Dorothy Elizabeth.....	A 4.....	Randolph, Ia.
Rhode, Hazel Gertrude.....	A 1.....	Randolph, Ia.
Rhoden, Beulah Richard Harold.....	G, (S).....	Lincoln
Rhodes, Roscoe Bryan.....	A 3.....	Ansley
Rice, Adolph Lemuel.....	A 4.....	Omaha
Rice, Bloomer Balch.....	Au, FA.....	Grand Island
Rice, Clarence E.....	M 1.....	Orchard
Rice, Effie Estelle.....	A 3.....	Lincoln
Rice, Gladys Pauline.....	A 2.....	Lincoln
Rice, Harvey Lewis.....	A 2.....	Pawnee City
Rice, Paul Melville.....	Au.....	Sterling
Rice, Roscoe Lyons.....	L 1.....	Creighton
Rice, Waldo Silas.....	CA 2.....	Norfolk
Rich, Gerald Bryan.....	A 1.....	Gothenburg
Richards, Harold Lusher.....	A 1.....	Lincoln
Richards, Lesa Sophia.....	A 3, (S).....	Lincoln
Richards, Margie.....	Au, (S).....	Lincoln
Richards, Webb.....	A 2.....	Hebron
Richardson, Garwood C.....	M 1.....	Omaha
Richardson, Maybelle May.....	A 1, (S, THS).....	Benkelman
Richling, Margaret Agnes.....	A 1, (S, Ex).....	Spalding
Richmond, Mark Giddings.....	CA 4.....	Ogallala
Rickard, Elsmere Rife.....	A 1.....	Oklahoma City
Riddell, John L.....	L 3.....	Beatrice
Riddell, Ted Eugene.....	A 4, (Ex).....	Lincoln
Rider, Charles.....	Au.....	McCook
Rider, Larry Dewey.....	E 1.....	Lincoln
Ried, Pearl Elizabeth.....	CAu.....	Lincoln
Rigdon, Vera Esta.....	A 2, (S).....	Fairbury
Riggs, Joy Alma.....	CA 4, T 4.....	Raymond
Riggs, Marcia Louise.....	A 2, T 2.....	Lincoln
Riggs, Zilpha Martha.....	A 4, T 4.....	Lincoln
Riley, Edith Angeline.....	CA 1.....	University Place
Riley, Joseph Burdette.....	A 2, C.....	Lincoln
Rinderspacher, Harry A.....	L 1.....	Hastings
Ring, Penelope Patch.....	G, (S).....	Lincoln
Riordan, Marguerite Rita.....	A 3.....	Lincoln
Rison, Sarah.....	Au.....	Lincoln
Riseley, Ina Edith Fay.....	Au, (Ex).....	Lincoln
Ritchey, Edward Norman.....	A 2, (S).....	Lincoln
Rivett, Floyd Herbert.....	Au.....	Lincoln
Rizk, Joseph J.....	G.....	Waverly
Roach, Dorothy Evelyn.....	A 1, FA.....	Lincoln
Roane, Ida Lucile.....	G, (S).....	Lincoln
Robbins, Velma Carmond.....	A 2, T 2.....	Elgin
Roberts, Andrew Guy.....	A 1.....	Lewellen
Roberts, Genevieve.....	A 4, FA, (S).....	Lincoln
Roberts, Howard Bond.....	E 1.....	Owatonna, Minn.
Roberts, Lawrence Gilbert.....	A 1.....	Arlington
Roberts, Marian Lee.....	CA 4, T 4, (Ex).....	Kenesaw
Roberts, Thelma Millicent.....	A 1.....	Falls City
Roberts, Walter Freeman.....	CA 4.....	O'Neill
Roberts, Walton Earwick.....	A 1.....	Lincoln

Name	College and Year	Home Address
Robertson, Enger Kathryn Lenore	Au	Wilber
Robertson, Maud Lucilla	Au	Wymore
Robertson, Rob Roy	CA 2	Broken Bow
Robey, Blanche Gertrude Knowlton	Au, (S)	Lincoln
Robey, Ora Gertrude	Au	Lincoln
Robinson, Francis Victor	L 2, (Ex)	Fullerton
Robinson, James Millard	G	Lincoln
Robinson, Russell Alexander	L 1	North Bend
Robinson, Stoddard Merchant	A 1	Lincoln
Robison, Milton P.	Au, (Ex)	College View
Roddy, Mary Elizabeth	G, Ed.	Nebraska City
Rodenwald, Benjamin William	CA 2	O'Neill
Rodgers, Clarence Edwin	M 3	Osmond
Rodman, Roland Virgil	L 2	Blair
Rodwell, Glen W.	A 1	Cambridge
Roebeling, Margaret Elizabeth	A 1	Omaha
Rogers, Arthur Ira	CA 1	Petersburg
Rogers, Floyd Leslie	A 3, M 1, (S)	Randolph
Rogers, True Gingery	Au, FA	Lincoln
Rogerson, Annis	Au	Kansas City, Mo.
Rohde, Charles John	CA 2	Lena, Ill.
Rohrbaugh, Byron Felgar	L 2	Omaha
Rohrbaugh, Lillian Gladys	CA 2, (THS)	Seward
Rohrer, Harvey Vaughn	A 1	Abilene, Kans.
Rohrs, Henry Edna	A 4	Omaha
Rohwer, George, Jr.	CA 2	Ft. Calhoun
Rokahr, Elsie Katherine	G, (S)	Lincoln
Rolland, Marie Agnes	A 2, T 2, (S)	Havelock
Rolofson, Annie Knepper	A 1, (S)	Lincoln
Romer, Einer	A 2, T 2	Blair
Root, Frankie Joy	Au, (S)	Lincoln
Root, Jesse Marvin	E 4	Omaha
Rose, Elizabeth	A 3	University Place
Rose, Genevieve	A 1, FA	Lincoln
Rose, Leo Dow	M 1	Lincoln
Rosecrans, Lynn Edgar	CA 2	Pine Ridge, S. D.
Rosenbaum, Milton Neu	A 1	Lincoln
Rosenman, Abraham I.	Au, (S)	Tchernigor, Russia
Ross, Arthur, Jr.	M 4, (S)	Perry, Iowa
Ross, Charles Kenneth	A 3	Blair
Ross, Emmet Hayden	A 1	Superior
Ross, Grace Isabel	A 4, T 4	Blair
Ross, Maurice Walter	E 1	Lincoln
Ross, Turner A.	CA 2	Miranda, S. D.
Rothholz, Sadie Phyllis	A 1	Omaha
Rothrock, Harry Jenning	L 2	Exeter
Rough, Emily Violet	G, (S)	Omaha
Rouse, Edwin Lincoln	G, Ed.	Peru
Rouse, Margretta	A 1, (THS)	Lincoln
Roush, Charles Laverne	E 1	Douglas, Wyo.
Roush, Floyd McKinley	E 2	Douglas, Wyo.
Rowe, Blanche	Au, (S)	Lincoln
Rowe, Eva	A 2, (S)	Lincoln
Rowell, Eugene Clark	G	College View

ROSTER OF STUDENTS

615

Name	College and Year	Home Address
Royer, Clinton S.....	A 2, (Ex).....	Arcadia
Royse, Florence Minnie.....	CA 2.....	Raymond
Rubelman, Betty	A 2, T 2.....	Tecumseh
Rubnitz, Abraham Srol.....	M 4.....	Omaha
Rudloff, Frank L.....	M 2.....	Spalding
Rumbaugh, Harold K.....	A 1.....	Lincoln
Rummons, Constance	G, Ed, (S).....	Lincoln
Runge, Lulu Lillian.....	G, Ed.....	Lincoln
Rusche, Carl Frederick.....	M 3, (S).....	Columbus
Rush, Ruth	CA 4, T 4.....	Lincoln
Russell, Margaret Avis.....	A 1, FA.....	Fullerton
Russell, Ralph Swisher.....	A 1, (M).....	Lincoln
Russell, Webb Levelle.....	2 P 2.....	Weeping Water
Rutherford, Lane Finch.....	A 1.....	Grand Island
Rydberg, Verne Gustaf.....	E 2.....	Wood River
Ryman, Eugene Miles.....	G, Ed.....	Lincoln
Ryons, Dorothy Jane.....	A 1, (S).....	Lincoln
Ryons, Ruth Elizabeth.....	A 1.....	Lincoln
Sackett, Abbie Gladys.....	A 2, T 2.....	Valparaiso
Sackett, Emma Anna.....	A 4, T 4.....	Lincoln
Safarik, Lumir Robert.....	M 4.....	Omaha
Safford, Bernice Luella.....	A 2, T 2.....	Lincoln
St. John, Lois.....	CA 2.....	Kimball
Sahlstrom, John Wesley.....	A 3, (S, Ex).....	Milaca, Minn.
Salter, George Stauffer.....	E 1, (THS).....	Norfolk
Samek, Nita Belle.....	Au.....	Weston
Sandburn, Anna May.....	A 1, (THS).....	Friend
Sanden, Carl Einar.....	Lu.....	Lincoln
Sander, Louise	Au, (S).....	Creston
Sanders, Earnest Dewey.....	E 1.....	Superior
Sandlovich, Elizabeth Madeline.....	A 1.....	Lincoln
Sands, Lila	A 3, (S).....	Winter Haven, Fla.
Sands, Robert Lyman.....	M 3.....	University Place
Sandstedt, Alvin Earl.....	A 1.....	Lincoln
Sandstedt, Rudolph Marion.....	CA 2.....	Lincoln
Sandusky, Harold Thomas.....	A 2, C.....	Sterling
Sanford, Ethel Andrus.....	Au, (S).....	Lincoln
Sanford, Helen Homans.....	A 3.....	Omaha
Sauer, Leslie Earl.....	A 2, (M).....	Strang
Saunders, Dudley Kenneth.....	A 2, C.....	Lincoln
Saunders, Sanford	E 1.....	Creighton
Savage, Joseph William.....	Au, (S).....	Spalding
Savage, Lottie Luella.....	G, (S).....	Lincoln
Sawyer, Hazel Katherine.....	CA 2.....	Lincoln
Sawyer, Roy Harvey.....	Au.....	Lincoln
Saxon, Ruben Bryan.....	E 4.....	Lincoln
Saxton, Alvan Felix.....	E 2.....	Tilden
Schaberg, Elmore Ralph.....	L 1.....	University Place
Schachterle, Wm.	A 3, (Ex).....	Ulysses
Schafer, Millard Franklin.....	3 P 1.....	Ohioa
Schaible, Viola Chris.....	CAu	University Place
Schank, Mary Ellen.....	A 3.....	Clarks
Schaufelberger, Oscar Robert.....	A 1, (M).....	Fairbury
Schaupp, Zora Aleita.....	A 3, T 3.....	Lincoln

Name	College and Year	Home Address
Scheffel, Alfred	A 2	Ponca
Schelldorf, Milda Elizabeth Louise	A 1	Manning, Ia.
Schelkopf, Elizabeth Elma	Au	Shickley
Schellenberg, Elmer Henry	A 2	Johnson
Schembeck, Isaac S.	M 4, (S)	Omaha
Schembeck, Rebecca Hazle	A 2, 1 2	Lincoln
Schemel, Helene Marie	A 4, (S)	Hoskins
Schemel, Margaret Constance	A 4, (S, Ex)	Hoskins
Schenck, Beatrice Pearl	CA 3	Chadron
Schlick, Leo Sylvester	E 1	Hastings
Schmale, Arthur Henry	E 1, (Ex)	Lincoln
Schmalzried, Stampfer	CA 3	North Platte
Schmееckle, Emma Pauline	CAu, (S)	Eustis
Schmidt, Arthur Walter	A 2	Lincoln
Schmidt, Herald Arthur	Au	Elkader, Ia.
Schmitt, John Clarence	A 1	Ellinwood, Kans.
Schmocker, Oscar Henry	A 1, (M), (S, Ex)	Columbus
Schoen, Royal Lincoln	CA 2	Wells, Minn.
Schoenleber, Clara Elsie	A 1	Bethany
Schoenleber, Lilly May	A 1	Bethany
Schoettger, George Emmet	CA 1	Arlington
Scholes, Ralph Wilford	E 1, (Ex)	Onawa, Ia.
Schott, Alice Magdalena	A 2, (S, Ex)	Silver Creek
Schriever, Fred	G, Ed, (S)	Dakota City
Schroeder, Herman Gordon	L 1	Lincoln
Schroeder, Walter Burt	A 2, C	Lincoln
Schulte, Clara Barbara	A 4, T 4, (Ex, THS)	Elgin
Schulte, Regina Bernadine	G	Lincoln
Schultz, Freida Marie	A 3, T 3, (THS)	Tobias
Schultz, Olive M.	A 2, (Ex)	North Loup
Schultz, Ruby Esther	A 1	North Loup
Schultze, Arthur Fred	E 1	Stanton
Schuman, Abraham	Au	Lincoln
Schwab, Gladys Minnie	A 3, T 3	Osceola
Schwab, Nellie Mae	A 1	McCook
Schwartz, John Wixer	A 2, (M)	Emerson
Schwarz, Albert Peter	L 3, (Ex)	Lincoln
Scott, Amy Ruth	A 1, (S)	Grand Island
Scott, Aurelia Marion	G	Lincoln
Scott, Birdie Grace	G, Ed	Lincoln
Scott, Dudley Charles	A 1, C, (Ex)	Beatrice
Scott, Mittie Y.	A 4, (S, Ex)	Plainview
Scott, Robert Douglas	G	Lincoln
Scott, Roland	L 2	Imperial
Scott, Susie	A 4	Kearney
Scott, Zella Pearl	A 3, T 3	Norton, Kans.
Seabury, Florence Eleanor	CA 2, (Ex)	Beatrice
Seabury, Vernon	CA 3, (Ex)	So. San Antonio, Texas
Sears, Merle Gibbon	Au, (S)	Ada, Okla.
Seekman, Gladys Marie	A 1	Arthur
Sederlin, Elvin Louis	M 3	Elk Mountain, Wyo.
Sedgwick, Alice	CA 2, T 2	Newcastle, Wyo.
Sedlak, John Oldrich	A 1	Trebich, Moravia
Seely, Josefa	A 4	Syracuse

ROSTER OF STUDENTS

617

Name	College and Year	Home Address
Seidel, Paul Edward	CA 2	Lincoln
Selk, John August	A 1, C	Plymouth
Sell, Dave	A 1, C	Lincoln
Seng, Harvey John	CA 1	Trenton
Severin, Christena	Au, (S)	Adams
Severin, Richard Otto	G, Ed, (S)	Adams
Sewell, Pearl E.	Au, (Ex)	Wayne
Sexton, Ruth Hortense	Au, (S)	Beatrice
Seymour, Ellanor Victoria	A 2, (S)	Lincoln
Shackelford, Aaron	A 2	Lincoln
Shaffer, Elizabeth Mary	G, Ed, (S)	David City
Shagool, John Walter	G, (S)	Bethany
Shanek, Bertha	G	Odell
Sharp, Earl Harold	CA 1, (Ex)	Broken Bow
Sharp, Leland Vance	Au	Stromsburg
Sharp, Marlay Albert	G, (Ex)	Hebron
Sharp, Zelda Viola	A 4, T 4	Blockton, Ia.
Sharpe, Lyle Edwin	E 1	Nebraska City
Sharrar, Dean LeRoy	A 1	West Point
Shaw, Arletta Jane	Au	Lincoln
Shaw, Clayton	A 1	Fairbury
Shaw, Edson Walter	A 3, C	Tecumseh
Shaw, Lawrence Ian	L 1	Osceola
Shea, Edward Francis	A 2	Oconto
Shea, Mildred Lee	A 3, T 3	Raymond
Sheehan, Philip Edmund	Au	Exeter
Sheeley, Elsie Kathryn	A 1	North Bend
Shelden, Marion Bell	A 4, T 4	Hyannis
Sheldon, Mary Josephine	M 3	Scottsbluff
Sheldon, Ruth	A 4	Omaha
Sheldon, Ruth	CA 2, T 2, (S)	Lincoln
Sheldon, George Walker	A 3	Lincoln
Shepherd, John Russell	CA 3	Ft. Morgan, Colo.
Shepherd, Mary	A 1	Lincoln
Sherburne, Leo Margaret	A 1	Cambridge
Sherfey, Florence Kiskadon	Au	Lincoln
Sherman, Bess Marie	A 4, T 4	Riverton, Ia.
Sherman, Milo Gibson	CA 1	Fruitland, Idaho
Sherman, Wilber H.	A 1	Tecumseh
Sherwin, Fay Ione	A 3, T 3, (THS)	Harvard
Shields, Fredrick Loyd	Au	Sargent
Shields, Velma Cleo	CA 2, (S)	Lincoln
Shiffler, Ernest C.	CA 2, (Ex)	Cambridge
Shildneck, Carl Harold	E 2	Salem
Shine, Martha Ellen	A 2, T 2	Mace, Idaho
Shipley, Harry	M 3, (S)	Rippey, Ia.
Shipley, Joe Earl	A 1	Mound City, Mo.
Shires, Alberta Eleanor	CA 1	Mead
Shires, Bessie Nina	Au, (S)	Mead
Shirk, Claude Joseph	G	University Place
Shirley, Mildred Genevieve	CA 1	Humboldt
Shively, Ruth	A 4	Lincoln
Shively, Samuel Burdette	A 3, (S, Ex)	Lynch
Short, Mamie Frances	G, Ed, (S)	Lincoln

Name	College and Year	Home Address
Showalter, Donald Fox.....	G, Ed, (S).....	Buffalo, Mont.
Showalter, Hattie. F.....	A 1, (Ex).....	Davenport
Showalter, John Francis.....	A 3.....	Lincoln
Showalter, Ruth Stephenson.....	G, (S).....	Lincoln
Shreve, Leo Britian.....	A 1.....	Savanna, Ill.
Shuff, Irene Casper.....	A 2.....	Lincoln
Shultz, John Floid.....	A 4, T 4.....	Lincoln
Shumway, Burgess M.....	A 1.....	Scottsbluff
Silsbee, Benjamin Frederick.....	E 3.....	Lincoln
Silsbee, Edna Carolina.....	A 1, FA.....	Lincoln
Simanek, Edward John.....	3 P 3.....	Prague
Simmons, Eugene E.....	M 1.....	Omaha
Simon, Mabel Agatha.....	CA 1, (S).....	Gretna
Simpson, Ruby Viola.....	CAu.....	South Auburn
Simpson, William Leonard.....	Au, (M).....	Lincoln
Sims, Robert Lowell.....	E 2.....	Indianola
Sinclair, Ruth.....	A 4, T 4.....	Lincoln
Sine, James Annan.....	Au, (THS).....	Lincoln
Sire, Glen Harry.....	A 1.....	Dewitt
Sisler, Rebanis.....	M 3, (Ex).....	Geneva
Sjogren, Clarence August.....	E 3.....	Lincoln
Skelton, Perry.....	A 1, (M).....	Spencer
Skow, Anna Marguerite.....	A 2.....	Council Bluffs, Ia.
Skudler, Rose Arlene.....	A 3.....	Atkinson
Skryme, Alice Blanche.....	Au, (S).....	Superior
Slama, Christine R.....	CA 1.....	Lincoln
Slama, Roland Edward.....	A 1.....	Wahoo
Slater, Dwight Edward.....	E 1.....	Fremont
Slater, Florence Barton.....	A 2, T 2.....	Lincoln
Slater, Lawrence Edward.....	A 1.....	Lincoln
Sloniger, Eyer.....	A 1.....	Lincoln
Slothower, John Percival.....	Au, (Ex).....	Lincoln
Smith, Earl William.....	A 3, (S).....	Merna
Smith, Edward Gideon.....	A 1.....	Beatrice
Smith, Edwin Erwin.....	G.....	Bethany
Smith, Ernest Henry.....	A 4, (S).....	Scottsbluff
Smith, George Dempster.....	A 1.....	Geneva
Smith, Harold Glen.....	CAu.....	South Auburn
Smith, Harry Herbert.....	CA 2.....	Mitchell
Smith, LeRoy Earl.....	A 3, (Ex).....	Florence
Smith, Loys Francis.....	CA 1.....	Stella
Smith, Lulu Harding.....	G.....	Bethany
Smith, Margaret Ethel.....	A 2.....	Council Bluffs, Ia.
Smith, Marguerite E.....	CA 1.....	Lincoln
Smith, Marylouise.....	CA 1.....	Lincoln
Smith, Mildred Pauline.....	A 1, (Ex).....	Polk
Smith, Morace Francis, Jr.....	CA 1.....	Polk
Smith, Paul Robert.....	A 1, (M).....	Havelock
Smith, Penelope M.....	Au, (S).....	Omaha
Smith, Reno Silvester.....	CA 4.....	Madison
Smith, Rollin Bruce.....	A 1.....	University Place
Smith, Roy Lawrence.....	Au, C.....	Lincoln
Smoyer, Grace P.....	Au.....	Syracuse
Smyth, Evelyn Frew.....	A 1.....	Council Bluffs, Ia.

ROSTER OF STUDENTS

619

Name	College and Year	Home Address
Snapp, Glenn Bryan.....	CA 4.....	Belleville, Kans.
Sneath, Kathryn Isabelle Sylvia.....	A 1, FA.....	Glenwood, Ia.
Snell, Frank L.....	Au.....	Cambridge
Snell, Hazel Frost.....	G.....	Lincoln
Snell, Narcissa.....	Au, (Ex).....	Lincoln
Snethen, Hazel Marguerite.....	A 3, T 3.....	Humboldt
Snipes, Leroy Francis.....	CAu.....	Liberty
Snively, Ruth Magdalene.....	A 4, T 4.....	Sheridan, Wyo
Snocker, Frederick Amos.....	G, Ed.....	University Place
Snow, Florence Gurtie.....	A 1.....	Colorado Springs, Colo.
Snow, Florence Mable.....	CA 1.....	Cheyenne, Wyo.
Snyder, Anna Ruth.....	A 2, T 2.....	Council Bluffs, Ia.
Snyder, Charles Russell.....	CA 4, (S, Ex).....	Kearney
Snyder, Dee Deno.....	E 1.....	O'Neill
Snyder, Emma Elma.....	A 3, T 3, (S).....	Cambridge
Snyder, Gertrude Marjorie.....	A 2, T 2, (THS).....	Lincoln
Soderberg, Helesine Gladys.....	A 1.....	Lincoln
Sohlberg, Helen Adelin.....	Au.....	Oakland
Soldevilla, Romulo Teodulo.....	L 1.....	Manila, Philippine Islands
Solomon, Dorothy Frances.....	A 1.....	Culbertson
Soltow, Lawrence Milton.....	E 3.....	Lincoln
Sommer, Elsa Kathryn.....	CA 1.....	Lincoln
Sorenson, Alice Mary.....	A 2, T 2.....	Norfolk
Sorenson, Alfred H.....	A 1, (S).....	Enid, Okla.
Sorenson, Edwin Christian.....	M 1, Au, (S).....	Blair
Souders, Harry Milton.....	A 1.....	Auburn
Sougey, Zela Marie.....	A 3, (S, Ex).....	Lincoln
Souther, Susie Page.....	A 4.....	Crawford
Sowell, James William.....	G, Ed, (S).....	Omaha
Sowers, Margie.....	Au.....	Basin, Wyo.
Sparks, Helen.....	A 3, (Ex).....	Valentine
Spear, Wallace Edward.....	L 2.....	Genoa
Specht, Amelia Christine.....	A 3, T 3, (THS).....	Syracuse
Speier, Aaron Schloss.....	A 3, (S).....	Lincoln
Spence, Mary Anne.....	A 3.....	Louisville
Spencer, Donald Willis.....	CA 2.....	Alliance
Spencer, John Ralph.....	A 1.....	Mankato, Kans.
Spethmann, Glenn Edwin.....	E 1.....	Gretna
Spicer, Sirilda Belva.....	A 2, T 2.....	Lincoln
Spieler, Carrie.....	A 1, (S).....	Beatrice
Spoon, John Daniel.....	A 2, (Ex).....	Wymore
Spracher, Macy Lucretia.....	G.....	Cowles
Sprague, Ruth Marian.....	A 1, FA.....	Lincoln
Sprecher, Dwight Perry.....	E 1.....	Lincoln
Springer, Irene Lucille.....	A 2.....	Lincoln
Springer, Merlin Lorrin.....	A 3, C.....	Oxford
Squires, Gertrude.....	A 3, T 3.....	Hebron
Staack, Henry Frederik.....	A 4, (S).....	Sterling
Stahl, Grace Dexter.....	CA 3, T 3.....	University Place
Stahr, Harry Sophus.....	2 P 1.....	Orchard
Staley, Alvah H.....	G, Ed, (S).....	Superior
Stander, Rachel.....	G, Ed, (S).....	Louisville
Stannard, Grant Aaron.....	E 2.....	Gordon
Stara, Antonia Elizabeth.....	Au.....	Ord

Name	College and Year	Home Address
Starboard, Earl David.....	A 3, T 3.....	Lincoln
Starbuck, Effie	A 1.....	Hastings
Starkweather, Merlin Frank.....	A 1.....	St. Paul
Starrett, John Vincent.....	A 3.....	Central City
Staton, Grace Virginia.....	A 1.....	Weeping Water
Staton, Ida Estella.....	A 4, G, FA, (S).....	Lincoln
Stearns, Eva Jane.....	CA 1, (S).....	David City
Stech, Edward Hugo.....	A 4, C.....	Milligan
Steckelberg, Anna L.....	G, (Ex).....	Fairbury
Steckelberg, Mathilde	A 3, (Ex).....	Plymouth
Steckelberg, Minnie Catherine.....	Au	Plymouth
Steenburg, Eleanor Lillian.....	A 4, T 4.....	Farmington, Ill.
Steinbaugh, Maude	A 2, (S, Ex).....	Norfolk
Steinkraus, Arnold	A 1.....	Pierce
Stephens, David Vance.....	CA 3.....	Lincoln
Stephens, Irma Jessamine.....	A 2.....	Long Beach, Cal.
Stephens, Mary Abigail Holcomb.....	A 1.....	Lexington
Stephens, Philip Holcomb.....	CA 4.....	Lexington
Sterba, Robert Ingersoll.....	A 2, (M, S).....	Omaha
Stern, Alma Clara.....	A 1, (S).....	College View
Sterns, Clarence Edward.....	A 2.....	Benson
Stetson, Elmer Adelbert.....	Au	Lincoln
Stevens, Althea Dallett.....	A 4, (S).....	Lincoln
Stevens, June	Au	Omaha
Stevens, Pearl Ray.....	G	Bethany
Stevenson, Pearl	G, (S, Ex).....	Auburn
Stewart, Elizabeth Mary.....	A 2, FA.....	Waco
Stewart, Hazel Adelyn.....	A 2, T 2, (THS).....	Meadow Grove
Stewart, Howard Coke.....	M 2.....	Tecumseh
Stewart, Mamie Evelyn.....	A 1, FA.....	Waco
Stewart, Owen Pressley.....	G, (S).....	Lincoln
Stickel, Daphne Antoinette.....	A 2.....	Omaha
Stidworthy, Ada Maude.....	A 1.....	Homer
Stidworthy, Helen Mae.....	A 4, T 4.....	Homer
Stilgebouer, Bernice Lorena.....	A 3, T 3, (THS, Ex).....	Indianola
Stille, Sue	A 2.....	Lincoln
Stilwell, Charles Frizzell.....	G, Ed, (S, Ex).....	Clarks
Stoa, Harold Clinton.....	A 1, C.....	Albert Lea, Minn.
Stocker, John Denny.....	E 1.....	Nebraska City
Stockman, Harold	G, (Ex).....	University Place
Stockton, Bryan Allen.....	Au	Grant
Stockton, Cora Genet.....	CA 1.....	Norfolk
Stoetzel, Georgia Esther.....	A 3, T 3.....	Scotia
Stone, Arthur Earl.....	E 1.....	Malvern, Ia.
Stone, Audra	Au, (THS).....	Lincoln
Stone, Floyd Merrill.....	A 2, C.....	Lincoln
Stone, George LaVerne K.....	A 2, C.....	Alvo
Stoneypher, David Daniel.....	M 2.....	Omaha
Stonesifer, Edwin John.....	CA 2, (Ex).....	Lincoln
Storkan, William Harry.....	A 2.....	Wilber
Storms, Helen Elizabeth.....	A 1.....	Lincoln
Storr, Lillian Everett.....	A 1.....	Lincoln
Stout, Marian Edith.....	CAu, (Sa).....	Lincoln
Stowell, Edna Belle.....	A 1.....	Aurora

ROSTER OF STUDENTS

621

Name	College and Year	Home Address
Straight, Ruth Elizabeth	A 2	Hastings
Strasser, Matilda Katherine	A 3, T 3	Wood River
Stratton, Ashby Thomas	A 2, C	Lincoln
Streeter, Julia Ada	A 1, (S)	Lincoln
Streitz, Anna Marie	CA 1	Millard
Stretton, Charles Thomas	A 2, C	Chester
Stribic, Frances Pauline	A 2	Lincoln
Strode, Josephine Hevansa	A 2, (S)	Lincoln
Stroemer, Marie Katherine	A 3, (S)	Alvo
Strom, Albert Paul	E 2	Mead
Stromer, Bryan William	A 2, C, (Ex)	Hastings
Stroy, Claire	A 1	Murdock
Stroy, Herbert Eric	A 2, (M)	Murdock
Stryker, Garold Vernon	A 1	Omaha
Studley, Hiram O., Jr.	A 2, (M)	Creston
Stuefer, Adah Margaret	A 1	West Point
Stuff, Freda Naomi	G, (Ex)	Albion
Stuff, Grace Hermione	A 1	Lincoln
Stuft, Clella	G	Fairfield
Sturdevant, Elma Christine	CA 3, (S)	Lincoln
Sturdevant, Ruth Josephine	Au	Lincoln
Sturgeon, Leo Dallos	A 1	Pomona, Ill.
Sturm, Ralph McCarthy	A 3	Nehawka
Sturmer, Anna Marie	G, Ed, (S)	Jansen
Sturmer, Mary Anna	A 2, (S)	Jansen
Sturtevant, Elizabeth Lee	A 1	Omaha
Sturtevant, Warren F.	E 1	York
Styer, Grace Agatha	A 1	Rising City
Sugino, Kenzo	Eu, (Ex)	Lincoln
Suhr, Laura Johanna	A 3, (S)	Lincoln
Sukovaty, Arnost	A 3	Swanton
Sukovaty, Joseph James	A 1	Swanton
Sullivan, Alma Leona	G, (Ex)	Broken Bow
Sullivan, Elizabeth Vivian	A 1, (S)	Exeter
Sullivan, Kathryn Veronica	A 1, (S, Ex)	Exeter
Sullivan, Reta Marguerite	A 1	Lincoln
Summitt, Beatrice Naomi	A 2, T 2	Omaha
Supp, George Shafter	E 1	Lincoln
Surber, Frank Raymond	M 2	Waterbury
Surber, Sara Catherine	A 1	Emerson
Surface, Lyman Jacob	Au, (S)	St. Edward
Sutherland, Allen Jennings	A 4, T 4, C	Lincoln
Sutherland, Rachel Viola	A 4, T 4, (THS)	Lincoln
Svoboda, Blanche M. A.	Au, (THS)	St. Paul
Svoboda, Clement Vladimir	A 4, (Ex, THS)	St. Paul
Swan, Dallas Dewitt	CA 1	Tecumseh
Swanbom, Irwin Philemon	Au	Wahoo
Swanson, Carl Helge	L 1	Ravenna
Swanson, Clarence	A 1	Wakefield
Swanson, Clarence	Au	Ravenna
Swanson, Hjalmar Edgar	Au	Bertrand
Swanson, Irene Naomi	A 4, T 4	Funk
Swanson, Leonard August	A 2, (M)	Clay Center
Swanson, Lydia Victoria	CA 1, (S)	Aurora

Name	College and Year	Home Address
Swanson, Mabel Eleanor.....	G, Ed, (S).....	Holdrege
Swanson, Oscar William.....	CA 1.....	Lawrence
Swanson, Roy Oscar.....	A 1, (M).....	Lincoln
Sweeny, Edward E.....	M 1.....	Lincoln
Swenson, Ruby Alyda.....	A 1, (THS).....	Omaha
Swenson, Ruth Wilhelmina.....	A 1, (THS).....	Omaha
Swift, Edward W.....	E 1.....	Grand Island
Swindell, Donald Wallace.....	A 1.....	Minatare
Talcott, Horace Valdo.....	A 1, (M).....	Omaha
Tanner, Mary Taylor.....	CAu.....	Lincoln
Tanner, Neola Adenia.....	Au.....	Lincoln
Tate, Guy Erven.....	2 P 2.....	Omaha
Taylor, Albion Guilford.....	G.....	College View
Taylor, Anita Mary.....	Au.....	Lincoln
Taylor, Carleton Saunders.....	E 1.....	Blair
Taylor, Cyril Benson.....	A 1, C.....	College View
Taylor, Edwin.....	A 1.....	Omaha
Taylor, Elvie C.....	Au.....	Lincoln
Taylor, Eunice Leonora.....	Au, (S).....	Hastings
Taylor, Florence Leo.....	G, (S, THS).....	College View
Taylor, Frances Lucile.....	CA 1, (THS).....	Arapahoe
Taylor, Mary Effie.....	Au.....	Plainview
Taylor, Melville Heman.....	A 2.....	Plainview
Taylor, Olive Carrie.....	G, (S).....	Loveland, Colo.
Taylor, Orlando Peter.....	A 3, C.....	Clay Center
Taylor, Pearl Paulina.....	A 2, T 2, (S).....	Lincoln
Taylor, Roy James.....	E 2.....	Lincoln
Taylor, Sara Vore.....	G, (S).....	Omaha
Taylor, Sarah Elizabeth Smith.....	G, (S).....	Lincoln
Taylor, Selma Ann.....	A 3.....	Exeter
Taylor, Seth Charles Henry.....	E 2.....	Lincoln
Taylor, Walter Robert.....	4 P 1.....	Lincoln
Tebbetts, Bernice White.....	Au, (S).....	Lincoln
Teegarden, Jeanette.....	A 4.....	Weeping Water
Teeters, Olive Anne.....	A 4, T 4.....	Fairfield
Teleen, Roy L.....	CA 1, (Ex).....	Lincoln
Temmey, Anna Celia.....	A 1.....	Onida, S. D.
Temple, Alice Clare.....	A 2, T 2.....	Lexington
Temple, Marjorie Barbara.....	A 1.....	Lexington
Terry, Viola.....	CA 1, (THS).....	Monroe
Teter, August William.....	2 P 2.....	Bartley
Teter, John Franklin.....	A 2.....	Bartley
Thaden, John Fred.....	CA 3.....	Randolph
Theisen, Henry Herbert.....	G, Ed, (S).....	West Point
Therkelsen, Carrie Chmelka.....	G.....	Lincoln
Thietje, LaVerne Dorothy.....	CA 1.....	Westpoint
Thomas, Bernard George Herman.....	A 4.....	Ulysses
Thomas, Byron Jacob.....	2 P 1.....	Malvern, Ia.
Thomas, Dwight Phillips.....	A 4.....	Lincoln
Thomas, Ellamay Colvin.....	G, Ed.....	Bethany
Thomas, Fred Holland.....	E 1.....	Trenton
Thomas, Herman Herbert.....	A 2.....	Hebron
Thomas, Joseph Francis.....	L 1.....	Aurora
Thompson, Bessie Enyeart.....	Au, (S).....	University Place

ROSTER OF STUDENTS

623

Name	College and Year	Home Address
Thompson, Claude Landis.....	Au	West Point
Thompson, Frances Addie.....	A 1.....	Clay Center
Thompson, Frederick Edward.....	Au	North Platte
Thompson, George Ernest.....	2 P 1.....	North Platte
Thompson, Helen Mary.....	A 4, T 4.....	McCook
Thompson, Helen Yoder.....	CA 1.....	West Point
Thompson, Herman Bernard.....	E 3.....	Auburn
Thompson, Kenneth Levi.....	M 4.....	West Point
Thompson, Lavinia Huff.....	A 3, (S).....	Omaha
Thompson, Mildred Francis.....	G, A 4, T 4, (S).....	Columbus
Thompson, Rose Anna.....	CA 1.....	Raymond
Thompson, Sara Jane.....	A 3, T 3.....	Omaha
Thomson, Leslie Randall.....	CA 3.....	Omaha
Thornton, Douglas Alexander.....	A 2, C.....	Gering
Thornton, Florence	A 1.....	Lincoln
Thornton, Janet	A 2, FA.....	Gering
Thornton, Parke Harry.....	A 1, C.....	Cozad
Thornton, Ray B.....	A 3, (Ex).....	Neligh
Thorp, Harriette Adeliann.....	CA 1, (S).....	Bethany
Thorpe, Ralph Milton.....	CA 3.....	Nebraska City
Thrush, Marion Virginia.....	A 1.....	Spencer, Ia.
Thurston, Henry Winfred.....	G	Lincoln
Tilden, Carl Samuel.....	E 1.....	York
Tindall, Clyde Lovett.....	E 1.....	Wahoo
Tivey, Frank Hill.....	A 4.....	Silver Creek
Tonner, Dorothy	A 1, FA.....	Lynch
Tool, Catherine Elizabeth.....	A 1.....	Murdock
Tool, Kenneth Albert.....	A 1.....	Murdock
Tooley, Helen	CA 3, T 3.....	Lincoln
Torrence, Julia Lucretia.....	A 4, (THS).....	Lincoln
Torrence, Lenna Frances.....	CAu	Lincoln
Tourtlot, Margaret Vivian.....	CA 2, (THS).....	Adams
Tout, Wilson	A 2, (S).....	North Platte
Towle, Leland Merle.....	CA 4.....	Lincoln
Towne, Jessie Margaret.....	G	Omaha
Towne, Paul Davis.....	A 2.....	Jacksonville, Ill.
Townsend, Evelyn Estella.....	CA 1.....	Barnston
Townsend, Mary Irene.....	A 1, FA.....	Valparaiso
Townsend, Merle Corson.....	CA 4.....	Tecumseh
Townsend, Wayne LaSalle.....	A 4, (S).....	Cook
Tracy, Emma Ruth.....	A 2, (S).....	Greeley
Trehearne, Theodosia	Au	Lincoln
Tremain, Mary	G, (Ex).....	Lincoln
Trester, Leonard W.....	L 2.....	Lincoln
Trester, Rachel	A 2.....	Lincoln
Trimble, Chester	A 1, (M).....	Omaha
Triplett, Richard Lee.....	A 1.....	Enid, Okla.
Trivelpiece, Leland Stuart.....	Au	Curtis
Troendly, Harry Plummer.....	E 2.....	McCook
Troester, Jacob John.....	A 2, (Ex).....	Lincoln
Troup, Grace	CA 3, T 3.....	Lincoln
Trowbridge, Dorothy Blanche.....	CA 1.....	Lincoln
True, John A.....	A 3, (S, Ex).....	Schuyler
Truell, Grace B.....	CAu	Lincoln

Name	College and Year	Home Address
Trumbull, Florence Lenore.....	A 1, (S).....	Hildreth
Tschauner, Artemas A.....	Au.....	Osceola
Tuchenhagen, Minna Elviria.....	A 3, (S).....	Gordon
Tucker, Hubert Spencer.....	E 1.....	Holbrook
Turner, John Edward.....	E 1.....	Elmwood
Twarling, Mabel Anna.....	A 1.....	Stromsburg
Tyler, Marian Lucile.....	A 1.....	Lincoln
Tyson, Noel Lewis.....	A 3.....	Elmwood
Uden, Louis E.....	L 3.....	Hastings
Uehling, Theodore.....	A 1, (M).....	Oakland
Underwood, Frances Nettie.....	A 1, (S).....	Lincoln
Unland, Lottie Marie.....	A 3, T 3.....	Lincoln
Updegraff, Howard Leighton.....	M 3.....	Omaha
Uplinger, Gordon Francis.....	E 1.....	Wymore
Upright, Ernest Sirell.....	A 3.....	University Place
Urbach, William Fred.....	A 4.....	Ft. Morgan, Colo.
Uridil, Olga Margarita.....	A 1.....	Abie
Vail, Nellie Antoinette.....	G, (S).....	Lincoln
Valentiner, Gertrude Louise.....	CA 1, (S, THS).....	College View
Vallery, Doris Jane.....	A 1.....	Mynard
Van Alen, Fannie Hazel.....	A 1, (S).....	Gresham
Van Arnum, Edna Gertrude.....	A 1.....	Council Bluffs, Ia.
Van Arnum, William Denny.....	A 1.....	Council Bluffs, Ia.
Van Arsdale, Donald.....	CA 1.....	Beatrice
Van Auken, John Sawyer.....	A 1, (M).....	Western
Van Brunt, Rutgers George.....	E 2.....	Beatrice
Van Buskirk, Besse A.....	G, (S).....	Merna
Vance, Lila Margaret.....	A 3.....	Hebron
Vance, William Brooks.....	A 2, (M).....	Omaha
Van Decar, Herbert Callaway.....	E 1, (THS).....	York
Van Denbark, Martha Melverna.....	A 2, C, (THS).....	Lincoln
Van Denbark, Melvin.....	A 1.....	Lincoln
Vanderpool, Merrill McKinley.....	A 3; C.....	Pierce
Van Deusen, Bessie Eloise.....	Au, (Ex, S).....	Kennard
Van Gilder, Pearle Grace.....	Au, (S).....	University Place
Van Horn, Russell Pierce.....	E 1.....	Ericson
Van Meter, Marjorie Lucile.....	A 1.....	Lincoln
Van Pelt, Clayton Forrest.....	Lu.....	Lincoln
Van Sickle, Laurance K.....	A 3.....	Hastings
Vasina, Anton Frank.....	Au.....	Prague
Vavra, Agnes.....	Au.....	Milligan
Veloso, Juan Avila.....	L 3.....	Philippine Islands
*Venner, Mabelle LaMay.....	A 2, (THS).....	Eagle
Vetter, John Milner.....	A 1.....	Red Oak, Ia.
Viele, Verne Kenny.....	E 3.....	Norfolk
Vines, Jacob Washington.....	G, Ed, (S).....	Lincoln
Vin Sant, Vester Ray.....	A 1, (M).....	Pawnee City
Virgin, Vivian Valpae.....	A 1.....	Utica
Vlasak, Emil John.....	E 1.....	Prague
Vogeltanz, Edward Louis.....	L 2, (S, Ex).....	Bee
Voigt, Edna M.....	A 4.....	Davenport
Volker, Merwin DeWitt.....	A 1, C.....	Beatrice

*Deceased

ROSTER OF STUDENTS

625

Name	College and Year	Home Address
Von Bergen, Alice Marie.....	A 1, (S).....	York
Voortman, Hazel Gladys.....	CAu.....	Beatrice
Vosacek, Frank Richard.....	G, Ed, (S).....	Omaha
Vose, Leonard Owen.....	G.....	Lincoln
Voss, Adolph Max.....	G, Ed.....	Lincoln
Votapka, Claude.....	E 2.....	Oberlin, Kans.
Wachter, Ruth Margaret.....	A 1, (S).....	Lincoln
Waggoner, Hazel Snow.....	CA 3.....	Wood Lake
Wagner, Fred William.....	E 1.....	Ithaca
Wagner, Jessie Ellison.....	A 1.....	Beatrice
Wagner, Reuben L.....	E 1.....	Fairbury
Wahl, Helen Marie.....	CA 1.....	Omaha
Wahlgren, Dorothy Louise.....	A 1.....	Washington
Waite, Dorothy Olivia.....	G, (S).....	Lincoln
Waits, Williams Bartram.....	A 2, (S, Ex).....	Lincoln
Waldheim, Carlos, Jr.....	A 1.....	Zacapa, Guatemala
Walker, Arthur William.....	E 3.....	Omaha
Walker, Florence.....	G.....	University Place
Walker, Harold Hill.....	M 4, (S).....	Omaha
Walker, Susie Amy.....	Au, (S).....	Lincoln
Wallace, Dorothy E.....	G.....	Lincoln
Walrath, Fred Bartley.....	A 1.....	Omaha
Walrath, Marion Emerson.....	CA 1.....	Albion
Walrod, Guy William.....	E 4.....	Lincoln
Walsh, Paul.....	Au.....	Lincoln
Walsh, Anastasia.....	A 4, (S, Ex).....	Missouri Valley, Ia.
Walvoord, James H.....	M 2.....	Holland
Ward, Hazel Belle.....	A 3, (S, Ex).....	Beatrice
Ward, Helen Rosa.....	CAu.....	Clay Center
Ward, Ida Annie.....	G, Ed, (S, Ex).....	Litchfield
Ward, Nellie Marguerite.....	G, (S).....	Lincoln
Ward, Roscoe Samuel.....	L 2.....	Lincoln
Warden, May Etta Staton.....	A 4, T 4, (S).....	Lincoln
Wardman, Floyd Vigars.....	A 2.....	Central City
Ware, Frederick John.....	A 1.....	Arapahoe
Warne, Leslie Gladstone.....	A 1, C, (THS).....	Pender
Warner, Aurora Pearl.....	A 1, (S, Ex).....	Ericson
Warner, Cecile Gladys.....	A 2, C.....	Lincoln
Warner, Estella Ardis.....	CA 2, (Ex).....	Roca
Warner, Fern Lymania.....	G.....	Lewellen
Warner, Esther Marie.....	CA 3, (Ex).....	Beaver Crossing
Warner, J. Laird.....	A 4.....	Tensleep, Wyo.
Warner, Leon Ross.....	A 1, C.....	Ericson
Warner, Vera Frances.....	CA 4, T 4, (S).....	Lincoln
Warren, Charles Ray.....	Au.....	Lincoln
Waterman, Theda La Ree.....	A 2, T 2.....	Joliet, Ill.
Waters, Helen Margaret.....	A 2, T 2.....	Lincoln
Waters, Leland Leslie.....	L 1.....	Lincoln
Waters, Mary.....	A 2, (S).....	Lincoln
Waters, Phil. G.....	M 2.....	Des Moines, Ia.
Waters, Winifred Belle.....	G, Ed.....	Lincoln
Watkins, Louise Elinor.....	A 1, (Ex).....	Omaha
Watson, Ira LeRoy.....	A 4.....	University Place
Watson, Minnie Fried.....	CA 2.....	Lincoln

THE UNIVERSITY OF NEBRASKA

Name	College and Year	Home Address
Watson, Raymond McVicker.....	A 2, C, (Ex).....	North Bend
Watson, Willard Charles.....	E 1.....	Pierce
Watson, William Raymond.....	E 1.....	Cody
Watters, Phil Ganz.....	M 2.....	Des Moines, Ia.
Waybright, John E.....	CA 3.....	Ashland
Wear, John Wm., Jr.....	M 4.....	Omaha
Weatherill, Viola Sarah.....	Au, (S).....	Lincoln
Weaver, Allan.....	E 1.....	Columbus
Webb, John Wheadon.....	CA 4.....	Tecumseh
Weber, Chris Oliver.....	G, Ed, (S).....	Friend
Webster, Maurine Juliet.....	CAu.....	Fairbury
Webster, Richard Orin.....	G.....	Lincoln
Weekly, Darlien Mildred.....	CA 1.....	Aurora
Weese, Gladys Henrietta.....	A 1, (S).....	Normal
Weeth, Charles Reed.....	M 2.....	Omaha
Weeth, Harold Joseph.....	A 2.....	Omaha
Wegner, Ernest Solomon.....	M 3, (S).....	Omaha
Wehrs, Cecilia Sophie.....	G, (S).....	Milford
Wehrs, Lucile Amelia.....	A 4, (S, Ex).....	Milford
Weigand, Guy L.....	M 4.....	Omaha
Weiland, Walter Franz.....	E 4.....	Fremont
Weimer, Russell Lebner.....	A 1, C.....	Hardy
Weinberg, Joseph Alexander.....	M 3, (S).....	Council Bluffs, Ia.
Weinberg, Myron Leon.....	A 2.....	Lincoln
Welch, Ruth Hinman.....	A 3, T 3.....	Omaha
Wells, Frederick Nichols.....	A 4.....	Lincoln
Wells, Herbert Reed.....	A 3.....	University Place
Wells, Teresa Pearl.....	A 2, (M).....	Gering
Welsh, Alice Leah.....	A 2, FA.....	Elba
Wenger, Robert.....	A 3, (THS).....	Lincoln
Wenk, Ray Ernest.....	A 3, C.....	Creston
Wenzinger, Mark.....	A 1, C.....	Lawrence
Wescott, Calla Sybil H.....	Au, (S).....	Lincoln
Wessel, Alice.....	CA 4, T 4.....	Lincoln
Wessel, Arno Loy.....	A 2, C.....	Nehawka
West, Parl.....	A 2.....	Norfolk
West, William Forrest.....	A 1, C.....	Page
Wester, Eula Dolores.....	A 4, (S, Ex).....	Papillion
Westermann, Louise Scouller.....	Au.....	Lincoln
Westhoff, James.....	G, Ed, (S).....	Malvern
Westover, Hazel Elizabeth.....	CA 3, T 3.....	Lincoln
Westover, Raymond Paschal.....	M 4.....	Rushville
Wetherald, Dorothy.....	CA 2.....	Hebron
Wetherbee, Harlow Frank.....	E 4, (Ex).....	Beatrice
Weyer, Stephen Morris.....	M 4.....	Ainsworth
Weymuller, Charles Augustus.....	M 2.....	Omaha
Weymuller, Helen Margret.....	CA 1.....	Omaha
Wharton, Hazel.....	CA 3, (S).....	Lincoln
Wheeler, Walter McClave.....	E 1.....	Western
Whisenand, Grace Helen.....	CA 3, T 3, (Ex).....	Harvard
Whitaker, Marian Frances.....	A 3.....	Clinton, Mo.
Whitcomb, Donald.....	Au, (THS).....	Winnebago
White, Edna Harriet.....	Au.....	Edgemont, S. D.
White, Florence Lucy.....	A 1, (S).....	Burr

ROSTER OF STUDENTS

627

Name	College and Year	Home Address
White, George Leland.....	E 3.....	Sterling, Colo.
White, Harry	E 1.....	Genoa
White, Herbert Thoma.....	L 3.....	Lincoln
White, Ida Louise.....	A 4, T 4.....	Lincoln
White, Lorna Luella.....	Au, (S).....	Haigler
White, Paul John.....	A 1.....	Diller
White, Rawson John.....	A 3, C.....	Omaha
Whitehead, Mildred Eugenia.....	A 1, (THS).....	Mitchell
Whitham, Roy Herbert.....	A 2, (M).....	Fairfield
Whitmore, Alice Marie.....	A 1, FA.....	Litchfield
Whitmore, Frances Elizabeth W.....	A 3.....	Valley
Whitmore, Ruth Kathryn.....	CA 2, T 2.....	Litchfield
Whitmore, Victor Robert.....	A 2, (Ex, THS).....	Lincoln
Whitnah, Charles Scott.....	E 1.....	Grand Island
Whitney, Bessie Faye.....	A 3, T 3.....	Miltonvale, Kans.
Whyman, Lawrence Oliver.....	Au, (S).....	Lincoln
Wible, Charles Leslie.....	A 1, (M).....	Lincoln
Wicker, Carolyn Bell.....	A 1, (S, THS).....	Grand Island
Widman, Hedwig Gertrude.....	A 2, T 2.....	Wahoo
Widner, Helen Elizabeth.....	CA 2.....	Corning, Ia.
Wiedman, Earl Vernon.....	M 3.....	McCool Junction
Wiese, Helen Dinsmore.....	G.....	Lincoln
Wieseman, Eda Matilda.....	CA 1.....	Osceola
Wight, Raulin Bailie.....	E 1.....	Lincoln
Wight, Vivian Stetson.....	A 2, T 2.....	University Place
Wilberger, Gertrude.....	CA 1, (S).....	Lincoln
Wilcox, Florence Genevieve.....	A 1.....	North Platte
Wilcox, Grace Marie.....	A 1, (THS).....	Lincoln
Wilcox, Lucille Helen.....	A 4, T 4.....	North Platte
Wild, Idyl Gladys.....	G, (S).....	Wilber
Wilder, Clem.....	G, (S).....	Cortland
Wilder, Harold Fremont.....	CA 3.....	Central City
Wilhermsdorfer, Moritz Nigel.....	E 1.....	Harrison
Wilken, Arnold Albert.....	L 1.....	Bruning
Willets, Boyd Stuart.....	A 2.....	McCook
Williams, Ashley.....	E 1.....	Lincoln
Williams, Burt Selden.....	A 1.....	Blair
Williams, Carol Salome.....	Au.....	University Place
Williams, Clifford E.....	4 P 2.....	North Bend
Williams, John William.....	A 2, C, (THS).....	Fairfield
Williams, Laura Marguerite.....	Au, (S).....	Auburn
Williams, Merrill Everett.....	A 3, C.....	Ord
Williams, Winifred Don.....	CA 3, T 3.....	Lincoln
Williamson, Bessie Belle.....	G.....	Galesburg, Ill.
Williamson, Wirt Lee.....	A 2, (M).....	Humboldt
Willman, Alma.....	Au, (S).....	Sprague
Willman, Clara Elnora.....	A 1, (S, THS).....	Phillips
Willsie, Isabella Bacher.....	A 2, (S, Ex).....	Parker, S. D.
Wilmeth, Elmer Louis.....	Au.....	Lincoln
Wilson, Allan Marshall.....	A 2.....	Lincoln
Wilson, Earl.....	L 1, (Ex).....	Hastings
Wilson, Edna Sweet.....	CA 1, (THS).....	Lincoln
Wilson, Ethyle Geraldine.....	Au, (S).....	Wahoo
Wilson, Everett Charles.....	L 1.....	Cedar Rapids

Name	College and Year	Home Address
Wilson, Helen	Au, FA	Lincoln
Wilson, Ira Glade	G, (S)	Peru
Wilson, James Calmar	E 1	Stromsburg
Wilson, Mary Powell	A 3, T 3, (S)	Lincoln
Wilson, May Estelle	CA 4, (Ex)	Bethany
Wilson, Rose Ellen	A 1	Tecumseh
Wilson, Ruth	A 2	Nebraska City
Wiltse, Mary Elizabeth	A 1, (S)	Falls City
Winegar, Helen Katherine	A 1, FA	Burlington, Colo.
Wing, Henry J.	E 2	Lincoln
Wink, Clara	A 3	Kearney
Winn, Margaret	A 1	Lexington, Mo.
Winslow, C. Ivan	A 4, (Ex)	Camp Funston, Kans.
Winslow, Loraine E.	A 2, (S)	Lander, Wyo.
Winstrom, John Harry	G, Ed, (S)	Farragut, Ia.
Winter, Alma Minna	A 1, (S)	Norfolk
Winter, Earle A.	A 1, (M)	Lincoln
Winter, Wilma	A 3, FA	University Place
Wirsig, Leonard Arthur	CA 1, (Ex)	Taylor
Wirt, Frederick Alfred	G	Manhattan, Kans.
Wirt, Lillian Janette	A 4	Lincoln
Wisher, Zelma Alice	A 2, T 2	Lincoln
Witherow, Ada Mary	A 1, (THS)	Thurman, Ia.
Witte, Elmer Fred	A 4, L 1	Lincoln
Wittwer, Clara Louise	CA 3, T 3	Lincoln
Wittwer, Salome Mary	CA 1	Lincoln
Wixer, George Daniel	E 2	Tekamah
Woitzel, Walter Albert	E 1	Greenwood
Wolfanger, Louis A.	A 4	Lincoln
Wolfe, Adelyn Jane	CA 3, T 3	Neligh
Wolfe, Asa Allen	Au, (S)	Indianola
Wolfe, Irma C.	A 2, FA	Elgin
Wolfe, Vernice Elizabeth	A 2, T 2	McCook
Wolfe, William Luther	A 4, (S)	Lincoln
Wonder, Charles J.	M 2	Omaha
Wood, Clarence	E 1	Ord
Wood, Eva Viola	G, (S)	Gibbon
Wood, Florence Hester	A 4, T 4, (THS)	Lincoln
Wood, Wilma Melvina	G, (S)	Lincoln
Woodle, Chauncey Robert	A 2	Northboro, Ia.
Woodruff, Justin Cuttbert	A 3	Oxford
Woods, Clayton Winfred	A 1	Spencer
Woods, Harold Harrison	M 1	Barnston
Woods, Lucille	A 2	Lincoln
Woodside, Eva Marvyl	A 4	Yuma, Colo.
Woodside, Ralph Clifton	A 4	Sioux City, Ia.
Woodward, Pryor Cort	A 2	Central City
Woelfenden, Vera Lucile	Au	Lincoln
Woolen, Leonard Clinton	A 1	Lincoln
Woolley, Darwin Dwain	A 1	Grand Island
Wooster, Margaret	G, Ed, (S)	Silver Creek
Worden, Donald K.	E 1	Cozad
Worley, Ivan Harold	E 4	Lincoln
Wray, Eugene Harold	A 1	Seward

ROSTER OF STUDENTS

629

Name	College and Year	Home Address
Wright, Claude Lysle.....	Au, (S).....	Lincoln
Wright, Edna	Au, FA.....	Denison, Ia.
Wright, Fern Elizabeth Prudence.....	A 1, (S).....	College View
Wright, Floyd Eugene.....	A 2.....	Scottsbluff
Wright, Frank Edgar.....	A 1.....	Tecumseh
Wright, John Charles.....	L 2.....	Lincoln
Wright, Katherine Aileen.....	A 1.....	Lincoln
Wright, Mary Elizabeth.....	G, (S).....	University Place
Wright, Verne Hayes.....	A 2, C.....	Stella
Wunderlich, Frieda Selma.....	A 1, (S, THS).....	Waco
Wunderlich, Zora	A 1, (S).....	Lincoln
Wupper, Irene	A 3, T 3, (S, Ex).....	Lincoln
Wupper, Mary Magdaline.....	G, (S).....	Lincoln
Wursch, Alma Lenora.....	G, (S).....	Holton, Kans.
Wygant, Ronald Lewis.....	E 2.....	Denison, Ia.
Wyman, Marian Marie.....	A 3, T 3, (S).....	Lincoln
Wynkoop, Carl Walter.....	Au, (Ex).....	Lincoln
Wythers, Roy Sampson.....	A 1.....	Geneva
Yantz, Bessie Florence.....	Au	Daykin
Yantz, Vaughan Ulysses.....	E 3.....	York
Yarlott, Erma Elizabeth.....	A 3, (S).....	University Place
Yboa, Santiago Adaton.....	Lu	Philippine Islands
Yenne, Herbert Austin.....	A 1.....	Ft. Morgan, Colo.
Yoder, Carleton Byron.....	M 1, A 3, (S).....	Wymore
Yoho, Alma Maude.....	A 2.....	University Place
Yont, Lily	G	Lincoln
Yort, Albert Arthur.....	L 1.....	Falls City
Yoshida, Yoshimatsu	A 3.....	Japan
Yost, Howard	Au	Red Cloud
Young, Arthur Farley.....	L 1.....	Lincoln
Young, James Grover.....	L 1.....	Woodward, Okla.
Young, Margaret	Au, C, (THS).....	Bethany
Young, Paul Schminke.....	E 1.....	Nebraska City
Younggreen, Marjorie Eloise M.....	A 4.....	Lincoln
Youngquest, Mae Hattie.....	A 1.....	Aurora
Youngson, Helen Marie.....	A 1, FA.....	Minden
Youngblut, Edith Marie.....	CA 4, T 4.....	Lincoln
Zarbaugh, Guy Frederic.....	A 1, (M).....	Seward
Ziegler, Lyle Christian.....	E 4.....	Beaver Crossing
Ziggafoos, Orrill B.....	A 1.....	Fairfield
Zimmerman, Edgar Earnst.....	A 1.....	Martel
Zimmerman, Naomi Bertha.....	M 1, A 2, (S, Ex).....	Winfield, Ia.
Zivny, Edward Louis.....	E 1.....	Falls City
Zook, Abe Dean.....	A 1.....	Humboldt
Zrust, Josephine Lucille.....	A 3, T 3.....	Clarkson
Zukoff, Morris	Au, (THS).....	Lincoln
Zutz, Fred Arthur.....	CA 1.....	Norfolk
Zwink, Louise Frieda.....	Au, (S).....	Eustis

THE UNIVERSITY OF NEBRASKA

1917-1918

ROSTER OF STUDENTS IN THE SCHOOLS¹

School of Agriculture, Teachers College High School, Nebraska School of Agriculture, Embalming Short Course, Mechanical Engineering Short Course, and Department of University Extension

ABBREVIATIONS

Letters indicate school and figures indicate years.

SA—School of Agriculture; SAs—School of Agriculture, short course; NSA—Nebraska School of Agriculture, Curtis; THS—Teachers College High School; EX—University Extension; u—unclassified; Mss—Embalming, short course; MEs—Mechanical Engineering, short course.

Name	School or Department	Home Address
Aase, Anna.....	EX.....	Albion
Acker, Zelma.....	THS.....	Lincoln
Adams, Charles.....	THS.....	Lincoln
Adams, Harold Montford.....	SAs.....	Council Bluffs, Iowa
Ahrens, John William.....	SAs.....	Clarkson
Akam, Mary Powers.....	EX.....	Lincoln
Akert, Fred E.....	EX.....	University Place
Akert, William.....	EX.....	University Place
Albers, Hermine Meta.....	SA.....	Wisner
Albrecht, Louis Michael.....	NSA.....	Orophino
Alder, H. E.....	EX.....	Hyannis
Alinder, Sigurd Linell.....	SAs (FM).....	Osceola
Alleman, Lloyd S.....	SAs.....	Loup City
Allen, James Nelson.....	SA.....	Lincoln
Allen, W. R.....	THS.....	San Juan, Texas
Allely, Helen.....	THS.....	Lincoln
Allinder, Alfred Alvin.....	SAs (FM).....	Osceola
Almy, Horace Manchester.....	SA.....	Greenwood
Anderson, Charles.....	THS.....	Lincoln
Anderson, Edith Rosalie.....	SA.....	Oakland
Anderson, Esther.....	EX.....	Lincoln
Anderson, Frank K.....	EX.....	North Loup
Anderson, Harry William.....	SA.....	Waverly
Anderson, Howard Leland.....	SA.....	Lincoln
Anderson, John Michael.....	SAs (FM).....	Wolbach
Anderson, Lester A.....	EX.....	Shenandoah, Iowa
Anderson, Marvin C.....	EX.....	Grand Island
Anderson, Rudolph.....	THS.....	Bristow
Anderson, Viola.....	THS.....	Lincoln
Andrijeski, John Joseph William.....	NSA.....	St. Ann
Anville, Lawrence Martin, Jr.....	SAs.....	Julian
Armstrong, Lenora Ione.....	NSA.....	Curtis
Arner, Frank Ellas.....	NSA.....	Crawford
Arnold, Florence Elizabeth.....	NSA.....	Lamar
Arnold, Henry.....	EX.....	Waverly, Iowa

¹Immediately preceding this roster appear the names of students registered primarily in the colleges. No name appears on more than one roster. For definition of letters in parenthesis, see first roster immediately preceding.

ROSTER OF STUDENTS

631

Name	School or Department	Home Address
Arnold, Julius Edmond, Jr.	SAs	Big Springs
Askins, Clara	THS	Herndon, Kans.
Askins, Mertie	THS	Herndon, Kans.
Atchison, Paul Robert	SA	Cozad
Backora, Joseph F.	SA	Benson
Bailey, Joy	THS	Lincoln
Baisinger, Sarah L.	EX	Merna
Baker, Huldah Edith	NSA	Dickens
Baker, Ray Daniel	SA	Benedict
Bakewell, Everett Dewey	SA	Stapleton
Ball, Ray Oliver	NSA	Curtis
Ball, Theodore	NSA	Curtis
Ball, William Henry	NSA	Curtis
Ballance, Vera	EX	Lincoln
Banks, Marie	NSA	Farnam
Barkdoll, Charles Cecil	SAs	Tilden
Barnett, Harold	SA	University Place
Barnett, Helen	THS	Lincoln
Barnhard, Corinne Amelia	EX	Virginia
Barr, John Tyner	SA	Lincoln
Barrett, Estel Eugene	NSA	Hayes Center
Barrett, Harold Ortman	NSA	Hayes Center
Barrows, Jessie	THS	Murray
Barth, Mark Eugene	SA	Lincoln
Bartz, Ernest Walter	SA	Phillips
Bartz, Minnie Ernestine	SA	Phillips
Bates, Frank Harvey	SAs	Overton
Bates, Ray	EX	Lincoln
Bauer, John Benjamin	NSA	Alliance
Bauer, Nellie Fern	NSA	Alliance
Bausch, Eric August	SA	Burchard
Bausch, Pearl Rosena	SA	Diller
Bayles, E. Olive	EX	Seward
Beacher, Jane	THS	Scribner
Beall, Esther Pearl	NSA	Curtis
Beall, Lulu A.	NSA	Curtis
Beam, Clifford Samuel	SA	Beatrice
Beam, Grace	THS	Denton
Beaver, Samuel Jennings	SAs (FM)	York
Beck, Ida May	SA	Minden
Beckman, Arthur O.	EX, SAs (FM)	Lincoln
Bedell, Ralph B.	EX	Schuyler
Beesley, Donald	SA	Ericson
Bell, Mae	THS	Lincoln
Bender, Leslie Roberts	EX, SAs	Kenesaw
Bennett, Arthur E.	EX	Bethany
Bennett, Lee Carpenter	SA	Belgrade
Bennett, Wilbur F.	SA	Shelby
Benson, Alvin B.	SAs (FM)	Niobrara
Bentz, Ivan V.	EX	York
Bergen, Alice von	EX	Columbus
Bernhard, Rosena	THS	Franklin
Bick, Noel Mirvin	NSA	Curtis
Bick, William Harold	NSA	Curtis
Birnbrook, Hazel	THS	Lincoln

Name	School or Department	Home Address
Bishop, Marie Morgan.....	SA.....	Roca
Black, Roy J.....	EX.....	Grand Island
Blaisdell, Everett Winfield.....	SA.....	Somerville, Mass.
Blaisdell, Grace Winona.....	SA.....	Somerville, Mass.
Blessing, Anna.....	THS.....	Cheney
Blodwen, Beynon.....	THS.....	Lincoln
Bloom, Aaron Frederick.....	SAs.....	Pender
Bobb, Lillian.....	THS.....	Lincoln
Bobbio, Merna May.....	NSA.....	Curtis
Bobst, Guy L.....	EX.....	Lincoln
Bodyfield, Marcus Anderson.....	SAs.....	Ericson
Bogan, Emmet E.....	EX.....	Lincoln
Bolling, Henry William.....	SA.....	Central City
Bollman, Laura Anna Marie.....	SA.....	Wall Lake, Iowa
Boob, Deliah.....	THS.....	Gretna
Booth, Francis Guthman.....	SA.....	Walton
Borden, Anna J.....	THS.....	Burwell
Borin, J. H.....	EX.....	Lincoln
Borin, M. A.....	EX.....	Lincoln
Borland, Helen.....	EX.....	Wray, Colo.
Boulter, Dorothea E.....	SA.....	Lincoln
Bourne, Ona Elloween.....	SA.....	Atlantic, Iowa
Bowers, Ford David.....	EX.....	Lincoln
Boydston, Flora Louisa.....	SA.....	Ceresco
Bradbury, Georgia.....	EX.....	Angora
Bradley, Doris.....	EX.....	Beatrice
Bradley, Elmer L.....	EX.....	Lincoln
Brand, George N.....	SAs (FM).....	Madison
Brauer, Otilie.....	EX.....	Shickley
Brehn, John William.....	SA.....	Unadilla
Brich, William Fred.....	SA.....	Pender
Bricker, John Fitz.....	SAs.....	Greenwood
Brinckerhoff, Morris Alonzo.....	SA.....	Bassett
Brinklow, George W.....	SAs.....	Plattsmouth
Brinkman, Oscar Henry.....	SA.....	Arlington
Brittall, Edwin J.....	EX.....	Lincoln
Brittall, Nettie A.....	EX.....	Lincoln
Brodhagen, Helen R.....	EX.....	Lincoln
Brooks, Winifred.....	THS.....	Lincoln
Brown, Etta.....	THS.....	Lincoln
Brown, Etta May.....	EX.....	Barneston
Brown, Howard Hicks.....	EX.....	Wilcox
Bruenger, Lillian.....	THS.....	Plymouth
Bruenger, Zella.....	THS, EX.....	Plymouth
Brune, William F.....	SAs (FM).....	Lincoln
Brungard, J. R.....	EX.....	Lincoln
Bubb, Alberta.....	THS.....	Lincoln
Buermann, Niels Marius.....	SAs.....	Lincoln
Buffum, Edwin N.....	EX.....	Lincoln
Bulin, Joseph E.....	EX.....	Lincoln
Bumke, Minnie Sophia.....	NSA.....	Curtis
Bunnell, Pearl.....	THS.....	Denton
Burcham, Hazel.....	THS.....	Lincoln

ROSTER OF STUDENTS

633

Name	School or Department	Home Address
Burcham, Mildred Irene.....	SA.....	Lincoln
Burd, Russell Ralph.....	SAs (FM).....	Lincoln
Burke, Ellena.....	THS.....	Lincoln
Burke, Paul Andrew.....	EX.....	Lincoln
Burke, Rosa.....	THS.....	Big Springs
Burkett, Helen.....	THS.....	Lincoln
Burleigh, Lillford L.....	SA.....	Friend
Burling, Gladys.....	THS.....	Lincoln
Burmester, Henry Frederick.....	SAs.....	Lyons
Burton, Alice.....	SA.....	Bingham
Burton, George Bell.....	SA.....	Bingham
Burton, John Thomas.....	SAs.....	Bingham
Burton, Thelma Irene.....	NSA.....	Curtis
Buss, Charles Delavan.....	NSA.....	Farnam
Byrne, James J.....	EX.....	Oshkosh
Cadwallader, Vern B.....	SA.....	Crookston
Cain, Hazel.....	THS.....	Henderson, Iowa
Calkins, Genevieve.....	THS.....	Lincoln
Callen, Karl G.....	EX, SAs (FM).....	Atkinson
Callenius, George W.....	SA.....	Granville, Iowa
Cameron, Merrit Lyle.....	SAs.....	Lakeside
Campbell, Beulah Marietta.....	SA.....	Deaver, Wyo.
Campbell, Faith.....	THS.....	Lincoln
Campbell, Fern Helen.....	SA.....	Lincoln
Campbell, Grace Marrian.....	SA.....	Lincoln
Carlisle, Maud.....	THS.....	Emerald
Carlson, Gladys.....	THS.....	Lincoln
Carlson, Henry David.....	SAs (FM).....	Sumner
Carmichael, John Earl.....	NSA.....	Curtis
Carothers, Fern Marie.....	NSA.....	Elsie
Carpenter, Louis Valdor.....	SA.....	Arden
Carper, Charles Marshall.....	SA.....	Dorchester
Carr, Harvey Butler.....	NSA.....	Curtis
Carroll, Mary.....	THS.....	Lincoln
Cash, Maurice.....	THS.....	Lincoln
Chadderdon, Hester.....	NSA.....	Curtis
Chambers, George Hunt.....	SA.....	Lincoln
Chaney, Bess.....	THS.....	Havelock
Chapman, Joseph W.....	EX.....	Lincoln
Chard, Alfred A.....	EX.....	Lincoln
Cheney, Alberta.....	THS.....	Lincoln
Christensen, Albert.....	SAs.....	Ft. Calhoun
Chriswesser, Herbert C.....	EX.....	Havelock
Clark, Hazel.....	EX.....	North Platte
Clark, Kathryn.....	THS.....	Lincoln
Clendenin, Sallie.....	EX.....	Lincoln
Clithero, Benson C.....	SA.....	York

Name	School or Department	Home Address
Cobleigh, Clair Hutton.....	SA.....	University Place
Coburn, Ruth	SA.....	University Place
Coder, Harold Eastman.....	NSA.....	Curtis
Coder, Marjorie Eugene.....	NSA.....	Curtis
Cohen, Max	EX.....	Lincoln
Cole, Charles Howard.....	NSA.....	Curtis
Cole, Sara T.....	EX.....	Omaha
Coleman, George Thomas.....	SAs.....	Greenwood
Coleman, Wilbur L.....	SA.....	Taylor
Colley, Gretta M.....	EX.....	Lincoln
Collier, William H.....	EX.....	Lincoln
Collins, Frances Lucretia.....	NSA.....	Curtis
Colony, Elliott A.....	SAs.....	Chateau, Mont.
Compton, Charles Bowne.....	NSA.....	Curtis
Condon, Nora M.....	EX.....	Humphrey
Consilia, Sr. M.....	EX.....	Cedar Rapids
Cooley, Hazel Marguerite.....	SA.....	Prairie Home
Coplen, Clarence Peter.....	SAs.....	Guide Rock
Cornish, Lyle Maynard.....	SA.....	Oconto
Cox, Blanche	EX.....	Chappell
Crawford, Earl	NSA.....	Curtis
Crawford, George	NSA.....	Curtis
Cress, Goldie Eliza.....	NSA.....	Atlanta
Critchfield, Ethel	EX.....	Lincoln
Critchfield, Gertrude	EX.....	Lincoln
Croft, Frederick Dewey.....	SA.....	Fairfield
Crogan, Sr. Mary Edmund.....	EX.....	Omaha
Cropsey, Frank Warner.....	SA.....	Lincoln
Crow, Leslie	EX.....	Lincoln
Crowdell, Susan	THS.....	Bee
Crownover, Mercedes	THS.....	Lincoln
Cuda, Joseph Frank.....	SAs (FM).....	Bee
Culbertson, Horace Dutton.....	SA.....	Dakota City
Cunningham, Lulu	THS.....	Lincoln
Cutter, John Henry.....	SA.....	Coin, Iowa
Cutter, LaVern Sydney.....	SA.....	Coin, Iowa
Cutter, Thomas Richard.....	SA.....	Coin, Iowa
Dahl, Albert	THS.....	Staplehurst
Dahl, Christian	SA.....	Coin, Iowa
Dahlberg, Joseph	EX.....	Lincoln
Dalby, Florence	THS.....	Arcadia
Dale, Cora	THS.....	Greenwood
Danielson, Gordon R.....	EX.....	Seward
Dart, Dorothy	THS.....	Lincoln
Daugherty, Roy	THS.....	Bethany
Davenport, Arthur L.....	EX.....	Wilcox
Davenport, Ray E.....	EX.....	Wilcox
Davis, Ada	THS.....	University Place
Davis, Benjamin Eton.....	SA.....	Shenandoah, Iowa
Davis, Earl	THS.....	Lincoln
Davis, Howard	SAs.....	Gordon
Davis, Mabel Alvera.....	SA.....	Shenandoah, Iowa
Davis, Ruth	THS.....	Lincoln

ROSTER OF STUDENTS

635

Name	School or Department	Home Address
Davis, William Ernest	SA	Shenandoah, Iowa
Dawson, Ruth	NSA	Dawson
Day, Ben	THS	Adams
Dean, Walter Farney	SAs	Giltner
Dee, Betty	THS	Lincoln
Dehning, Emil Conrad	SAs (FM)	Louisville
DeLes, Dernier Ivan	SA	Murray
Demel, John F.	EX	Homer
Deming, Walter	EX	Belding, Mich.
Densberger, Dolly	THS	Malcolm
Deter, Frank Henry	SAs	Papillion
DeWitt, Vesper	SA	Malcolm
Dickenson, Harold	EX	Scottsbluff
Dickerson, Artie Alice	SA	Inavale
Dillman, Helen Gould	NSA	Curtis
Dittmer, Grace	THS	Emerald
Doane, Claire George	SAs	Wausa
Dobberstein, Harold Henry	SAs	Bradshaw
Dobner, Josephine	EX	Blue Hill
Doege, Martha C.	EX	Lincoln
Dohrman, Dewey Dell	SA	Rushville
Dolan, Marguerite Marie	NSA	Indianola
Dorrmann, Erwin Herbert	SA	Rising City
Donaldson, Geneva	EX	Lincoln
Douglas, Ruth Anna	SA	Bloomington
Downey, Giles Leslie	SA	Pleasanton
Downing, Jessie	EX	Peru
Downs, C. E.	EX	Lincoln
Doyle, Mildred	THS	Lincoln
Drexel, Luther Lloyd	SAs (FM)	Omaha
Drollinger, Lynn Roberts	SAs	Lincoln
Dunton, Lawrence Sylvester	NSA	Somerset
Durham, Ivy	THS	Lincoln
Durisch, Stephen	EX	Plymouth
Easton, Cecil Lillian	NSA	Maywood
Easton, Dora Oneita	NSA	Maywood
Eberly, Anna M.	SA	Edholm
Eberspacher, Floyd Elchard	SAs	Seward
Edwards, Wilmer L.	EX	Lincoln
Ehlers, Carl	SAs	Gretna
Eipper, Evelyn	THS	Morrill
Eisele, Lynn	THS, EX	Lincoln
Eisele, Mary	THS	Roca
Elfredt, Mary Elizabeth	SA	Lincoln
Ellinger, Max	EX	Lincoln
Ellis, Gladys Leola	NSA	Curtis
Ellithorpe, Charles Elam	SA	College View
Elson, Nellie May	NSA	Curtis
Empie, Pansy Juniatta	NSA	Holdrege
England, Earl	THS	Lincoln
Englebritson, Bertha	EX	Lincoln
English, Rudolph	SA	Pleasanton
Engstrom, E. F.	EX	Douglas, Wyo.

Name	School or Department	Home Address
Enright, Martha	THS	Lincoln
Ensminger, Jessie Pauline.....	EX	Lincoln
Ernst, Anna Margaret.....	SA	Lincoln
Estep, T. L.	EX	Lincoln
Estes, Mabel I.	EX	Lincoln
Evans, Pearl Townsend.....	EX	David City
Everett, Cora	THS	Lincoln
Everett, Jennie	THS	Lincoln
Everett, Mabel	THS	Lincoln
Evers, John Ernest.....	SAs	Dunbar
Evers, John H.	SA	Plainview
Ewing, Vivian	THS	Lincoln
Eychaner, A. R.	EX	Omaha
Fahlson, Axel William.....	SA	Havelock
Farquer, Raymond	EX	Lincoln
Farrens, Margaret	THS	Lincoln
Fernow, Esther	THS	Prosser
Fetterman, Esther	THS	Lincoln
Ficke, Chris Henry.....	EX, SAs (FM)	Unadilla
Field, Eunice M.	EX	Lincoln
Field, Russel Austin.....	SAs (FM)	Lucky Valley
Fifer, William Glenn.....	SA	Lincoln
Finley, Allie	EX	Douglas
Finley, James D.	EX	Lincoln
Finnerty, Thomas James.....	SAs (FM)	Leroy
Finnigsnier, Carl Henry.....	SA	Juniata
Firkins, Alma	THS	Ord
Fisher, Bert Wilbur.....	SAs (FM)	Chadron
Fisher, Claire	THS	Weston
Fitzpatrick, Kathryn	THS	Raymond
Fitzpatrick, Lillian	THS	Bethany
Fitzpatrick, Mabel	THS	Davey
Flock, Agnes Alaska.....	NSA	Maywood
Fogg, Grace D.	EX	Marianna, Fla.
Forke, Ella Anna.....	SA	Raymond
Fosbinder, Emma Ada.....	NSA	Elsie
Francis, Dorothy May.....	SA	Lincoln
Francis, Max T.	SAs	Gibbon
Francis, Nellie Frances.....	SA	Lincoln
Franks, Otis	SA	Stratton
Fredrickson, Ida Adelina.....	EX	Barneston
Freeman, Lucy Ann	NSA	Curtis
Freeman, Sylvia Elvira.....	NSA	Curtis
French, Paul Ethelburt.....	SA	Lincoln
Fritts, Harry Eddie.....	SAs (FM)	Lincoln
Frost, Charles	THS	Lincoln
Fry, Ray A.	EX	Ainsworth
Fuchser, Ruth Marie.....	SA	Yutan
Fuhr, Margaret May.....	NSA	Elsie
Funk, Garnette Mae.....	NSA	Curtis
Funk, Rodney Paul.....	NSA	Curtis
Funke, E. J.	THS	Blue Hill
Fussell, Loa M.	EX	Harrison

ROSTER OF STUDENTS

637

Name	School or Department	Home Address
Frye, Ellis K.	EX	Lincoln
Gabriel, Andrew E. C.	EX	Lincoln
Gaddis, Ruth Elizabeth	SA	Comstock
Gafford, Walter Bertram	NSA	Venango
Gapen, Oliver	SA	Murray
Gardner, Erwin	NSA	Curtis
Garlow, Mildred	THS	Lincoln
Garrison, George F.	EX	Lincoln
Gartner, Herman Frank	EX	Lincoln
Gaul, John Joseph	SAs (FM)	Spalding
Gausmann, Esther Marie	SA	Seward
Geeseman, Mary	EX	Berwyn
Geise, Simon Elvin	SA	University Place
Gentry, Mary	THS	Lincoln
Gerdes, J. F.	EX	Lincoln
Gerdes, John Richard	SA	Marple
Gibbs, M. I.	THS	Newcastle
Giel, Lillian	THS	Elk Creek
Giles, Edna	THS	Lincoln
Gillern, Maurice F.	EX	Bethany
Glaze, Elan Jane	NSA	Wellfleet
Glenn, William F.	EX	Lincoln
Gluntz, Pearl Hazel	NSA	Elsie
Goddard, Jay B.	EX	Lincoln
Goehring, Camille	THS	Barnston
Goll, E. L.	EX	Blue Hill
Goodrich, May N.	EX	Lincoln
Gorley, Ida Etta	NSA	Curtis
Gorman, Vee Matheny	EX	Alma
Goslin, Alberta	THS	Davey
Goss, Elizabeth	THS	Lincoln
Grabill, Blaine C.	EX	Lincoln
Graff, Carl	EX	Lincoln
Graff, Ralph Walter	SAs	Seward
Graff, Raymond August	SA	Seward
Graham, Glenn Freeman	SA	Lincoln
Graham, William Henry	SA	Lincoln
Grainger, Ernest B.	EX	Lincoln
Grainger, Joe J.	EX	Lincoln
Gramlich, Amos Kirby	SA	Ft. Crook
Grant, Blanche	EX	Lincoln
Graves, Deva	SA, THS	Raymond
Graves, Ralph Harry	SAs (FM)	Raymond
Greaton, Floyd Jefferson	SA	Bennett
Green, Clarice	THS	Lincoln
Green, Edna	THS	Denton
Green, Hazel M.	EX	Edgar
Greenamyre, Irene Mae	SA	Cheney
Greenseman, Clarence Godfriedge	SAs	Cortland
Griffiths, Howard Walter	SAs	Verdon
Grisha, Vesta M.	EX	Fairmont
Grotjan, Earl George	EX	Lincoln
Gustafson, Floyd Harvey	SA	Mead

Name	School or Department	Home Address
Gustafson, Lillie	SA	Ceresco
Gustafson, Minnie Augusta	SA	Ceresco
Gustafson, Nancy Virginia	SA	Mead
Gustafson, Reuben Roosevelt	SA	Mead
Gustin, Morris Houston	SA	Lincoln
Guthrie, Florence Amy	SA	Lincoln
Guthrie, Robert Russel	SA	Lincoln
Haenyager, Reuben E.	EX	Lincoln
Hagaman, Justin F.	SA	Bennett
Hagelin, Eleanor M.	EX	Lincoln
Haggstrom, Aaron	SAs (FM)	Wolbach
Haight, Floyd Raymond	SA	Clarks
Hall, Beulah Lucile	NSA	Curtis
Hall, Naomi Gertrude	NSA	Curtis
Hall, Talitha Cecil	SA	Lincoln
Hall, Otis William	SA	Lincoln
Hall, Veryl Jaunita	SA	Lincoln
Hallhand, John A.	EX	Lincoln
Hammond, James M.	EX	Lincoln
Haney, Frank Dallas	EX	Peru
Hanfelt, Luverne	SA	Thumseh
Hanna, Thomas Elden	SA	Lexington
Hansen, Carl M.	SAs	Raymond
Hansen, Carrie Olga	NSA	Curtis
Hansen, George H.	EX	Lincoln
Hanson, Chris C.	SAs	Hampton
Hanson, Hilmer C.	EX	Lincoln
Hanson, Lillian E.	EX	Clarks
Hanson, Rose L.	EX	Oakland
Hanson, Ruth Luella Medora	SA	Ceresco
Hardle, Glen Kenneth	SA	Silver Creek
Harmon, Nora	THS	Ashland
Harrell, Opal A.	EX	Ogallala
Harrington, Lewis Allen	SA	Lincoln
Harris, Roy Harold	SAs (FM)	Emerald
Harte, William Drexel	SA	Omaha
Hartley, Joe	SAs	Nebraska City
Hartwig, Lovetta	THS	Lincoln
Haschenburger, Lillie May	SA	Dunbar
Hasebrook, Mary E.	SA	Holstein
Haskell, Daniela Mary	SA	Arnold
Haskell, Minnie Leora	SA	Arnold
Hathaway, Cloyd Heston	NSA	Curtis
Hawkins, Arthur	THS	Tilden
Hawks, Bernice	THS	Lincoln
Heald, Archie Lynn	SA	Royal
Hecht, Floyd Archard	NSA	Curtis
Heckleman, John Henry	NSA	Curtis
Heckleman, Pauline Frances	NSA	Curtis
Heckman, John	THS	Friend
Heech, Arthur Thies	SAs	Nebraska City
Heers, Winnie	THS	Utica
Heffley, Ruth L.	EX	Lincoln

ROSTER OF STUDENTS

639

Name	School or Department	Home Address
Heine, Ernest Robert.....	SAs.....	Nebraska City
Heinke, Oswald Ferdnand.....	SA.....	Dunbar
Heitkotter, John George.....	SAs.....	Lincoln
Helzer, Charles William.....	EX.....	Mazappi, Minn.
Henderson, Erceill C.....	SAs.....	Broken Bow
Henkleman, Carl.....	THS.....	Lincoln
Henning, Harrie.....	SAs.....	Crete
Henry, Frank.....	NSA.....	Maxwell
Hensel, Willie Fred.....	SAs (FM).....	West Point
Hermance, Maud.....	THS.....	Raymond
Hesseltine, Elizabeth H.....	EX.....	Peru
Hessenflo, Gladys.....	NSA.....	Curtis
Hester, Margaret.....	THS, SA.....	Normal
Heuermann, Chester Henry.....	SA.....	Arlington
Hevlin, Beulah.....	NSA.....	Stockville
Higgins, Dean.....	SA.....	Stella
Higgins, Julia Starr.....	SA.....	Beatrice
Hill, Maurice.....	EX.....	Lincoln
Hilzinger, Julia M.....	EX.....	Beemer
Himber, George G.....	SAs (FM).....	Lincoln
Hinkley, Ruth.....	THS.....	Havelock
Hinkson, Everett William.....	SA.....	Cairo
Hinton, Myrtle.....	NSA.....	Stockville
Hinze, Otto Alfred.....	SAs (FM).....	Rising City
Hoffman, Edwin T.....	EX.....	Harvard
Hoffmann, Fred J.....	SA.....	Nenzel
Hogan, Anna Margarete.....	SA.....	Lincoln
Hogobloom, Louis Vernon.....	NSA.....	Moorefield
Hoig, Bernice Evelyn.....	SA.....	Lincoln
Holden, Thelma.....	EX.....	Lincoln
Holick, Clarence Leo.....	SA.....	Kimball
Holick, Roger Henry.....	SA.....	Kimball
Holsman, Elizabeth Tuttle.....	EX.....	Chicago, Ill.
Hoobler, Paul Merton.....	SA.....	University Place
Hoppe, Elmer.....	SA.....	Lincoln
Hopple, Idella.....	THS.....	Firth
Horacek, Esther Olive.....	SA.....	Belgrade
Horacek, John Edward.....	SA.....	Belgrade
Horak, Leota L.....	EX.....	Kansas City, Mo.
Horton, Kenneth Dale.....	SA.....	Lincoln
Hosea, George.....	EX.....	Harrison
Houser, Bernard Charles.....	SA.....	Broken Bow
Hoveland, Helen.....	THS.....	Lincoln
Hoveland, Ruth.....	THS.....	Lincoln
Hubbard, Harry G.....	EX.....	College View
Hudson, George Lawrence.....	SA.....	Stapleton
Hudson, Maud May.....	SA.....	Roca
Huenefeld, William R.....	SA.....	Gregory, Ark.
Humann, Clara Mary.....	SA.....	Cheney
Hunt, Franklin S.....	EX.....	Merna
Hunter, Howard Joseph.....	SA.....	Lincoln
Hutto, Walter Howard.....	SA.....	Neligh
Hurt, Joseph.....	EX.....	Valparaiso

Name	School or Department	Home Address
Hyde, Winifred	EX	Lincoln
Ideen, Emily	THS, SA	Raymond
Ingles, Ada May	EX	University Place
Ireland, William B.	EX	Fullerton
Jackson, George L.	EX	Mason City
Jackson, Walter H.	EX	North Bend
Jacobs, Boyd H.	SAs (FM)	Belgrade
Jacobsen, Janet	EX	Lincoln
Jacoby, Henry Franklin ..	SA	Havelock
Jacoby, Marjorie Nellie ..	SA	Havelock
Jahn, Ruth Niemeier	EX	Lincoln
Janouch, Clara	EX, THS	Lincoln
Jaques, Mary	THS	Lincoln
Jarboe, William H.	SA	Lincoln
Jarman, Walter E.	EX, THS	Lincoln
Jeffery, Mary L.	EX	Lincoln
Jeffords, Lucy M.	EX	Mullen
Jennings, Elva Mabel	NSA	Curtis
Jensen, Chris	SAs (FM)	Davey
Jensen, Ella May	NSA	Curtis
Jensen, Fred	THS	Redondo Beach, Calif.
Jensen, George J.	EX	College View
Jensen, John Peter	EX	Stanton
Jensen, Marie Manilla	NSA	Curtis
Jensen, Nelle	THS	Germantown
Jeppesen, James William ..	SAs	Kennard
Jepsen, Mabel Emma	NSA	Curtis
Jerner, Orion	EX	Lincoln
Johanson, Leroy Vernon ..	SAs	Oakland
Johns, Arthur Wesley	EX	San Francisco, Calif.
Johnson, Albion Gust	SAs (FM)	Wausa
Johnson, Eleda	THS	Mead
Johnson, Elsie	EX	Lincoln
Johnson, Fred Leonard	SAs (FM)	Shelby
Johnson, Ivan Andrew	SAs	Greeley
Johnson, Jessie	EX	Lincoln
Johnson, John A.	SAs (FM)	Niobrara
Johnson, Leo Joe	SAs	Columbus
Johnson, Leslie Raymond ..	SA	Lyons
Johnson, Louis Albert	SAs	Chadron
Johnson, Michael Theodore ..	SAs	Central City
Johnson, Minnie Irene	SA	Emerald
Johnson, Raymond A.	SA	Mead
Johnson, Raymond Wilbur ..	SAs	Greeley
Johnson, Roy W.	EX	College View
Johnson, Sheldon	SA	Valparaiso
Johnson, Walter Richard ..	SA	Omaha
Johnston, A. S.	EX	McGrew
Jokers, Wilbur	EX	Lincoln
Jones, Anna	THS	Brooklyn, Iowa
Jones, Dorothy	THS	Brooklyn, Iowa
Jones, E. G.	EX	Lincoln
Jones, Gomer Vaughn	SA	Fairbury

ROSTER OF STUDENTS

641

Name	School or Department	Home Address
Karella, Ambrose Jerome.....	SA.....	Madison
Karges, Lucy Cecelia.....	SA.....	Duncan
Kaura, Jennie	THS.....	Lincoln
Kear, Lillian Alice.....	SA.....	Lincoln
Keeton, Iro	THS.....	Lincoln
Keith, Mona Marie.....	NSA.....	Curtis
Kellogg, J. H.....	EX.....	Red Cloud
Kelly, Joseph	EX.....	Lincoln
Kemplin, Vernard Earl.....	SA.....	Lewellen
Kennedy, Harley	SA.....	Page
Kennedy, Robert Edward.....	SA.....	Havelock
Kenny, Norris Gage.....	SA.....	University Place
Kenyon, Martha	EX.....	Litchfield
Kess, John Edward.....	SA.....	College View
Kier, G. H.....	EX.....	Lincoln
Killion, Ray W.....	SA.....	Ong
Kimball, Arthur Hohn.....	SA.....	Lincoln
Kimball, Dorothy	THS.....	Lincoln
Kime, Allan G.....	SA.....	Simeon
Kime, Ernest Herschel.....	SA.....	Simeon
King, Gladys	THS.....	Davey
King, Jesse Earl.....	SA.....	Shenandoah, Iowa
Kingham, G. G.....	EX.....	Lincoln
Kinner, Martha	THS.....	Spalding
Kirkpatrick, W. A.....	SAs (FM)	University Place
Kirkwood, James M.....	SA.....	Lincoln
Kiser, Mary Adella.....	SA.....	University Place
Kizer, Charlotte	THS.....	Lincoln
Klein, Edward	THS.....	Saronville
Knotter, Clara	THS.....	Stapleton
Koberg, Anabel	THS.....	Lincoln
Koehler, Harold Wayne.....	SA.....	Lincoln
Kokes, William Charles.....	SA.....	Ord
Koontz, Joyce Stanley.....	SA.....	Lincoln
Koontz, Paul Arthur.....	SA.....	Lincoln
Kositzky, Clarence	THS.....	Lincoln
Kouba, Olga P.....	EX.....	Verdigre
Krambeck, Claus Frederick.....	SAs.....	Chalco
Kramer, Marian Adelaide.....	NSA.....	Quick
Krause, Laura	EX.....	Elwood
Kremke, Helen Wilma.....	SA.....	Jansen
Kremke, Homer	SA.....	Jansen
Kremke, Mildred May.....	SA.....	Jansen
Kremlacek, Edward	EX.....	St. Paul
Krenke, Jerry J.....	SAs (FM)	Ulysses
Krieg, F. W.....	EX.....	
Krogman, Martha	THS.....	Lincoln
Krough, J. Clarence.....	SA.....	Ruskin
Krull, Edna	SA.....	Martel
Krupicka, Adolph	EX.....	Milligan
Kruse, Emil	SAs.....	Ft. Calhoun
Kuhne, Eridia	THS.....	Lincoln
Kulper, Bertha	EX.....	Lincoln

Name	School or Department	Home Address
Kuster, Carrie E.	EX	Hickman
Ladenburger, Anna	EX	Columbus
Lafink, Jack F.	EX	Lincoln
Lain, Ethel	EX	Barnestown
Lake, George H.	EX	Lincoln
Lamb, Henrietta	THS	Spalding
Lambert, Mildred	THS	Carlisle
Lambert, Sue C.	EX	Lincoln
Lames, Genevieve	THS	Lincoln
Landers, Charles J.	EX	Lincoln
Lanham, Crystabelle Roma	NSA	Curtis
Lanham, Ruby Florence	NSA	Curtis
Lanphere, S. M.	EX	Lawrence
Larsen, Carl Christian	SAs	Cushing
Larsen, Fred E.	NSA	Minden
Larson, Harry Arvid	SAs	Morrill
Lau, Freda	THS	Lincoln
Lauridsen, Laurids Madsen	SAs (FM)	Vibord, S. D.
Lawler, Harvey David	NSA	Paxton
Leaming, Earl Knollin	SA	Lincoln
Leaming, Harriet Ilona	SA	Lincoln
Leamy, Harold M.	SA	Pierce
Lebsack, Adolph	THS	Lincoln
Lee, Elizabeth	THS	Lincoln
Lee, George E.	EX	Wymore
Lee, Lorenzo Martin	SA	Emerald
Lees, Lucille B.	EX	Lexington
Lefler, Aileen	THS	Lincoln
Lemen, Leta	THS	Lincoln
Lemen, Marjorie	THS	Lincoln
Lemmer, Alvin A.	SA	Lexington
Lepert, James	EX	Plattsmouth
Lester, Guy O.	EX	Lincoln
Lewis, Arthur Wayne	SA	Bladen
Lewis, Barye	SA	Verdon
Limbeck, John A.	EX	Lincoln
Linch, Walter Gerald	SA	University Place
Lind, Carl Jennings	SA	Stromsburg
Lind, Clarence	THS	Arcadia
Lindberg, Roland Emanuel	SAs (FM)	Gothenburg
Lindberg, Willard L.	SA	Polk
Lindsey, Hazel Leona	NSA	Wellfleet
Lonsdale, Frances	THS	Lincoln
Love, Ben	SA	Valparaiso
Lowe, Pearl	THS	Lincoln
Lucas, Charles Everett	SA	Shelby
Lucas, Eleanor Fanny	SA	Palmyra
Lumsden, Edith	EX	Clearwater
Lumsden, James Athen	NSA	Bethany, Ill.
Lundeen, Levi R.	SA	Hildreth
Lundeen, Lillian Elizabeth	SA	Hildreth
Lundquist, Ralph Arthur	SAs (FM)	Neligh
Luther, Carrie Marie	SA	Hooper

ROSTER OF STUDENTS

643

Name	School or Department	Home Address
Lyman, Esther	THS.	Lincoln
McAllister, Eugene James	SA	Neligh
McBride, Robert William	SA	Cedar Rapids
McCalister, M.	EX	Lincoln
McCandless, Harry	SAs	Broken Bow
McCarthy, Thomas Roddy	SA	York
McClellan, Curt	SAs (FM)	Lincoln
McClure, Edith Elnora	SA	Fairbury
McClure, John Stewart	SAs (FM)	Omaha
McClure, Thomas Raymond	SA	Red Cloud
McClurg, William Frank	SAs	Minatare
McConnaughey, Zella M.	EX	Edgar
McConnell, Jesse Hallman	NSA	Somerset
McCullough, Phillip Morgan	EX	Minneapolis, Minn.
McDermott, John James	EX	David City
McDonald, Helen Mar	EX	Omaha
McDonald, Nina Margaret	NSA	Maywood
McEachen, Esther L.	EX	Wayne
McFarland, Albert Reginald	SAs	Clarkson
McKinney, Elbert Lewis	EX	Edgar
McLean, Archie Hopper	SA	Elkhorn
McMahon, Claude Edwin	SA	Blue Hill
McMahon, Marie	THS	Davey
McMahon, Vesta	THS	Davey
MacMurray, Harry D.	EX	Lincoln
McNerney, Margaret	THS	Lincoln
McNutt, Ruth	THS	Lincoln
Maas, August	EX	Lincoln
Madsen, George	EX	Wayne
Magley, Seth L.	EX	Mead
Magnuson, Ethel Threase	SA	Mead
Major, Ralph Barton	SAs	Smithfield
Major, Ralph Leroy	SAs	Smithfield
Mallalieu, Elizabeth	EX	Lincoln
Malmberg, Elmer Gustaf	SAs	Pender
Manion, Dennis	EX	Lincoln
Mann, Elleen	THS	Malcolm
Marjorie, Sr. M.	EX	Spalding
Markle, Carl F.	EX	Lincoln
Mammen, Oscar Dewey	SA	McClelland, Iowa
Marshall, Cecil Emory	SAs (FM)	McCool Junction
Marshall, Frank J.	EX	Lincoln
Martin, Kenneth H.	EX	Lincoln
Marvin, Mina	THS	Hubbell
Mast, William Floyd	NSA	Moorefield
Mathews, Jane E.	EX	Scottsbluff
Matson, Willard F.	SA	Monroe
Maxon, Edna	EX	Scottsbluff
Mead, Paul Jensen	SA	Burwell
Mecken, Louie Jacob	NSA	Crawford
Meduna, Mary	THS	Weston
Meggee, Gladys	THS	Lincoln
Melcher, William	EX	Scribner

Name	School or Department	Home Address
Memerer, Ruth	THS.....	Lincoln
Mend, Louis F.	EX.....	Lincoln
Menke, Minnie	EX.....	Lincoln
Merrick, Frederick Alvin.....	SA.....	Osceola
Merrill, E. Reye.....	EX.....	Lincoln
Merrill, Herbert K.....	SA.....	Lincoln
Merrill, Mary Angeline.....	NSA.....	Maywood
Merrill, William McKinley.....	NSA.....	Maywood
Mess, Frederick William.....	SA.....	Chapman
Metzinger, Raymond Earl.....	SA.....	Blair
Meyer, Emil Williams.....	SAs (FM).....	Louisville
Meyer, Henry	SA.....	Oak
Meyers, Helen	THS.....	Lincoln
Meyers, L. M.....	EX.....	Lincoln
Micheel, Myrtle Amelia.....	SA.....	Wood Lake
Miller, Harold Leslie.....	SA.....	Omaha
Miller, Laura Mae.....	NSA.....	Quick
Miller, Mabel	EX.....	Farnam
Miska, Frank Joe.....	SAs (FM).....	Ord
Mitchell, Glenn E.....	SA.....	Sprague
Mitchell, Russell	THS.....	Lincoln
Mock, Hattie Alma.....	NSA.....	Stockville
Mockett, Harriett	THS.....	Lincoln
Monk, Helen Virginia.....	SA.....	Bennett
Mooney, Hugh	EX.....	Lincoln
Moor, William E.....	EX.....	Lincoln
Moore, John William.....	SA.....	Denton
Moore, Sadie	THS.....	Lincoln
Morris, Bernie Elvan.....	SAs (FM).....	Lincoln
Morrison, Donald G.....	SA.....	University Place
Morrison, Floyd V.....	SA.....	Murtaugh, Ida.
Morrison, Harold Curtis.....	SAs (FM).....	Fullerton
Morrison, Ralph K.....	SAs (FM).....	Fullerton
Moyer, Leila Orilla.....	SA.....	Lincoln
Mumma, Ralph Ellsworth.....	SAs.....	Nelson
Munn, Evelyn	SA.....	Waverly
Munson, L. Roy.....	EX.....	Lincoln
Murray, Herbert	THS.....	Lincoln
Mussetter, Marye De.....	SA.....	Roca
Nedrow, Ray W.....	EX.....	Lincoln
Nelson, Alvah Ernest.....	NSA.....	Curtis
Nelson, Arthur Emmanuel.....	SAs (FM).....	Wausa
Nelson, Bernice	THS.....	Omaha
Nelson, Elsie Agnes.....	SA.....	Walnut
Nelson, Jeanette	EX.....	Lincoln
Nelson, Rudolph Lester.....	SAs (FM).....	Hooper
Neumann, Selma Hilda.....	SA.....	Pleasant Dale
Newlon, Jesse M.....	EX.....	Lincoln
Newman, B. N.....	THS.....	Oakland
Newstrom, Helen Rundina.....	SA.....	Lincoln
Nichols, Hazel	THS.....	Lincoln
Nichaus, Emil H.....	SA.....	McClelland, Iowa
Nisley, Ernest Vernon.....	SA.....	Bennett

ROSTER OF STUDENTS

645

Name	School or Department	Home Address
Noerenberg, Bennie E.	SAs	Ithaca
Norblad, Kathryn Ebba	SA	Axtell
Nordlund, J. P.	THS	Lincoln
Normolle, Paul	EX	Lincoln
Norstedt, Carl Victor	SA	Loup City
North, Everett V.	SA	Pawnee City
Norton, Gerald Edwin	SA	Lincoln
Novak, Harry Victor	SA	Morse Bluffs
Novotny, Walter	EX	Bruno
Nye, Josephine Marcella	SA	Lincoln
Oberlender, George Vest	EX	Normal
Oberlies, Ruth	THS	Lincoln
O'Brien, Frank J.	EX	Loretto
O'Brien, John Lawrence	NSA	Wallace
O'Brien, Mark	EX, THS	Lincoln
O'Donnell, Edward Joseph	SA	University Place
Oehlerking, Alfred Henry	SAs (FM)	Elmwood
Ollerman, Frederick W.	SA	Blair
Olmsted, Irving N.	SAs (FM)	Wauneta
Olsen, Emma	THS	Minden
Olson, Carl A.	EX	Lincoln
Olson, Hildur Marie	SA	Chappell
Olson, Oscar Albin	SA	Sidney
Olson, Ruth Mathilda	SA	Chappell
Osborn, George Byron	SA	Ayr
Osborn, Louree Laura	SA	Lincoln
Osbourn, Carl Eddy	SA	Broken Bow
Palser, George Neal	SAs (FM)	North Loup
Pankanin, Herman	EX	Grant
Papke, Hans	THS	Columbus
Parke, C. M.	EX	Lincoln
Parks, Sam Dudley	SA	Brownville
Parr, Howard Leo	SA	Ruskin
Parton, J. M.	EX	Lincoln
Parton, Holland M.	EX	Lincoln
Paulson, Martin S.	SAs (FM)	Newman Grove
Pavel, Joseph R.	SAs (FM)	Dwight
Payne, Lester Arnold	SA	Elgin
Pearce, Norval	EX	Craig, Colo.
Peard, Hazel Mary	SA	Phillips
Pearl, Hazel	THS	Davenport
Pearse, John E.	SA	University Place
Pearse, Ruby	SA	University Place
Peery, Mary	THS	Monroe
Pegler, Harold	THS	Palmyra
Penn, Dortha Mae	EX	Riverton
Penne, Mathew Edwin	SAs	Elgin
Penner, Frances	NSA	Eldorado
Pennington, Ivo Valentine	SA	Wauneta
Pepoon, Joe	THS	Lincoln
Percy, James H.	EX	Imperial
Perrin, Della	THS	Roca
Perrin, Edna	EX	Lincoln

Name	College and Year	Home Address
Perryman, Charlotte T.....	EX.....	Ord
Peters, John	THS.....	Yutan
Peters, John Rex.....	SA.....	Greenwood
Peters, Mary	THS.....	Murdock
Peters, Matilda	EX.....	Lincoln
Peterson, Myrtle	EX.....	Crawford
Petty, William M.....	SA.....	Lincoln
Phillips, Fern	EX.....	Scribner
Phillips, Henry	SAs (FM).....	Bellwood
Philpot, Marie Lottie.....	SA.....	Nehawka
Picklum, Charles E.....	EX.....	McCook
Pierce, Archie Myona.....	SA.....	Lincoln
Pierce, Arthur Immanuel.....	SA.....	Atlanta
Pierce, Frank Elliot.....	SA.....	Greenwood
Pierce, Harry	THS.....	Lincoln
Pierce, Harry Benjamin.....	SA.....	Atlanta
Pierce, Nettie	SA.....	Atlanta
Plantz, Robert H. F.....	SAs (FM).....	Germantown
Pokorny, Stephen	EX.....	Schuyler
Poore, Theda M.....	SA.....	McCook
Porter, John Jay.....	EX.....	Lincoln
Potter, Kenneth Orven.....	SAs.....	Angus
Powell, Gladys Mabel.....	NSA.....	Curtis
Powers, Martha Mae.....	NSA.....	Curtis
Preston, Inglis	THS.....	Beatrice
Prewitt, Theodore.....	SA.....	University Place
Price, Nellie	NSA.....	Curtis
Priesner, Carl Herman.....	SAs (FM).....	Martell
Pritchard, John	THS.....	Spalding
Proctor, Floyd Ernest.....	SAs.....	Orient, Iowa
Propet, Dwight A.....	SAs.....	Plattsmouth
Prouty, Edgar A.....	SAs (FM).....	Alvo
Purintun, Charles Everett.....	SA.....	Overton
Putnam, Frances	THS.....	Humansville, Mo.
Pyle, Garnette Luella.....	NSA.....	Curtis
Pyle, Lois May.....	NSA.....	Curtis
Qualset, Herman	SA.....	Newman Grove
Rabe, Fred W.....	EX.....	Lincoln
Raecke, George William.....	SA.....	Central City
Ramels, Olive	NSA.....	Curtis
Rankin, Charles F.....	EX.....	Lincoln
Ranney, Glen A.....	EX.....	Weeping Water
Rapp, Eva Irene.....	SA.....	Doniphan
Raun, Alfred Dryfus.....	SA.....	Upland
Rauscher, Emil Godlove.....	SAs.....	Ainsworth
Ray, Mary Katherine.....	EX.....	Lincoln
Raynard, Harvey Merton.....	SA.....	Stapleton
Razee, Beth June.....	NSA.....	Curtis
Razee, Ruth Frances.....	NSA.....	Curtis
Rea, H. B.....	EX.....	Lincoln
Redelfo, L. H.....	THS.....	Bruning
Redfern, Commodore	SA.....	Holdrege
Reed, Howard M.....	SA.....	Ashland, Mt.

ROSTER OF STUDENTS

647

Reese, Alta	THS.....	Lincoln
Reicher, Helen M.....	EX.....	Lincoln
Reimund, Allyn	THS.....	Maysville, Mo.
Reinhard, Ella S.....	EX.....	Blair
Reller, Carl Raymond.....	SA.....	Princeton
Renn, Bessie	THS.....	Lincoln
Reynolds, Floyd Lester.....	SAs.....	Holton, Kans.
Reynolds, George Washington.....	SAs (FM).....	Parks
Rice, Donald C.....	SAs.....	Pierce
Richard, Laura	THS.....	Lincoln
Rickard, Frank Randall.....	SA.....	Ericson
Rickard, Ruth Margaret.....	SA.....	Ericson
Riddle, Imer Carlyle.....	NSA.....	Bartley
Rieken, Walter Herman.....	SA.....	York
Riley, Hubert Charles.....	SA.....	Pierce
Robb, Mildred Roxana.....	THS.....	Lamont
Robb, Minerva	NSA.....	Millard
Robbins, Mabel	EX.....	Lincoln
Robbins, Naomi	EX.....	Lincoln
Robbins, Virginia M.....	EX.....	Lincoln
Roberts, F. Everett.....	SA.....	Salida, Colo.
Roberts, Joel Francis.....	SAs.....	Salida, Colo.
Roberts, John	THS.....	Bethany
Roberts, Raymond	SA.....	Salida, Colo.
Roche, Margaret	THS.....	Lincoln
Roelofsz, Arthur James.....	SA.....	Lincoln
Rogers, Esther	THS.....	Martell
Rohrbaugh, Earl Clinton.....	SA.....	Fairbury
Rokahr, Elsie K.....	EX.....	Lincoln
Rokahr, George E.....	EX.....	Lincoln
Rokahr, Mable Louise.....	SA.....	Venus
Roop, Forrest B.....	NSA.....	Danbury
Roper, Ernest E.....	SAs.....	Sumner
Rosengren, Orion Sigard.....	SA.....	Colon
Ross, Adolph	EX.....	David City
Rouse, Lysle Edward.....	SA.....	Meadow Grove
Ruegg, Carl Samuel.....	SA.....	Palmyra
Runyan, Grace E.....	EX.....	Edgar
Rupert, Paul Charles.....	SA.....	Broken Bow
Russell, Clarence L.....	EX.....	Nehawka
Russell, Nellie	EX.....	Lincoln
Sackschewsky, William Alfred.....	SAs.....	York
Samson, Walter	SA.....	Oconto
Sanders, Wilford	THS.....	Lincoln
Sandstrom, Elsie Isabel.....	SA.....	Ceresco
Sargent, Kenneth Chrisman.....	SA.....	Broken Bow
Sargent, Marian	EX.....	Lincoln
Sass, Harvey Henry.....	SA.....	West Point
Saul, William Lowe.....	SAs (FM).....	Superior
Savage, Cyrus Sanford.....	SA.....	Spalding
Sawyer, Russell Forest.....	SA.....	Lincoln
Saxton, Clifford W.....	NSA.....	Crawford
Saxton, Lewis Albert.....	NSA.....	Crawford
Sayre, Harry Malcome.....	SA.....	Morrill

Name	School or Department	Home Address
Schaff, Grace	THS.....	Lincoln
Schaffersman, Lester Peter.....	SAs.....	Hooper
Schilz, August Godfred.....	NSA.....	McCook
Schlegel, Alexander Howard.....	SAs (FM).....	Lincoln
Schmelke, Ferdinand	EX.....	Raymond
Schmidt, Katherine R.....	EX.....	Donald
Schmidt, Winifred	THS.....	Lincoln
Schneider, Fred	EX.....	Riverton
Schoenleber, William Bryan.....	SA.....	Bethany
Schomberg, Adolph	SAs.....	Pierce
Schomberg, Carl	SAs.....	McLean
Schott, Edmund	THS.....	Silver Creek
Schwartz, Henry A.....	SAs (FM).....	Stoneham, Colo.
Sconce, George W.....	EX.....	Pender
Scott, Ruth	THS.....	Grand Island
Scott, Sidner Hugh.....	SA.....	Lincoln
Scrimsher, Harvey	SAs (FM).....	Brock
Seacrest, Mrs. Joe. W.....	EX.....	Lincoln
Seeley, Keith Meredith.....	SA.....	Milford
Seitz, Walter Oliver.....	SAs (FM).....	Mascoutah, Ill.
Sexton, O. J.....	EX.....	Lincoln
Seybold, Clara Effie.....	NSA.....	Culbertson
Seymour, Jane B.....	EX.....	Lincoln
Shafer, Jeanette	THS.....	Lincoln
Shafer, Lottie	THS.....	Lincoln
Shafer, Myrtle	THS.....	Malcolm
Shaffto, Rollin Evert.....	SA.....	Bridgeport
Shanders, Myrtle	THS.....	Weston
Sharp, George McKinley.....	SAs.....	Hebron
Shaw, Charley Sherwood.....	SA.....	Berwyn
Shaw, Minnie	THS.....	Fairbury
Shawkey, Vinnie Ione.....	NSA.....	Curtis
Shea, Alta	THS.....	Raymond
Sheets, Emmett	EX.....	Lincoln
Sheldon, Philip L.....	EX.....	Lincoln
Shepard, Charles Emore.....	SA.....	Lincoln
Shields, Roscoe	THS.....	Bethany
Shipp, Ralph Danforth.....	NSA.....	Hay Springs
Shull, Martha Keturah.....	NSA.....	Curtis
Shuttlesworth, Shirley	THS.....	Carleton
Sigler, Ida	THS.....	Lincoln
Sigler, Thelma Katherine.....	SA.....	Lincoln
Silhacek, Joseph J.....	SAs.....	Pierce
Simanek, Stanley	EX.....	Prague
Simmons, Eugene Murray.....	SA.....	Cozad
Simonsen, Ralph Edgar.....	SA.....	Danbury
Sinclair, Charles Loran.....	NSA.....	Curtis
Sisson, Edith Gordon.....	NSA.....	Culbertson
Skelton, Perry	THS.....	Lincoln
Slavik, V.	EX.....	Lincoln
Slerka, Frank	EX.....	Schuyler
Sloniger, Paul	THS.....	Lincoln
Smith, A. M.....	EX.....	Lincoln

ROSTER OF STUDENTS

649

Name	School or Department	Home Address
Smith, Anette Grace.....	NSA	Cambridge
Smith, Charles Francis.....	NSA	Cambridge
Smith, Clarence Marion.....	NSA	Cambridge
Smith, Estella	THS	Holbrook
Smith, Harry H.....	EX	Salem, Ind.
Smith, Merrill Clark.....	NSA	Curtis
Smith, Russell Beard.....	SA	Omaha
Smythe, Evelyn	THS	Council Bluffs, Ia.
Snapp, Vera Floda.....	SA	Belleville, Kans.
Snapp, Vernon Jeffryes.....	SA	Belleville, Kans.
Snyder, Frank G.....	SAs (FM)	Comstock
Solomon, Arons	THS	Lincoln
Solomon, John M.....	SA	Culbertson
Sommerlad, Phil	THS	Lincoln
Sommers, Elsa	THS	Lincoln
Sorlie, Ida Christine.....	SA, THS	Hayward, Wis.
Souther, Grace	THS	Lincoln
Southworth, Barbara Louise.....	SA	Lincoln
Spangler, Clifford	THS	Lincoln
Spray, Bessie Ola.....	NSA	Curtis
Springer, Martin	THS	Oxford
Stadnik, Rudolph	EX	Lincoln
Stearns, Harry A.....	EX	Lincoln
Stech, Edward	THS	Milligan
Steele, Walter Brandon.....	SA	Hartington
Steffen, Leonora Caroline.....	SA	Waco
Stelk, Otto Ferdinand.....	SAs	Grand Island
Stepanek, Harold	SAs (FM)	Crete
Stevens, Glen D.....	EX	Beatrice
Stewart, Maude Lena.....	NSA	Wellfleet
Stine, Leroy	SA	Ulysses
Stinette, Nela Rae.....	NSA	Moorefield
Stinette, Zazel Alma.....	NSA	Moorefield
Stock, Minnie Elizabeth.....	NSA	Culbertson
Stone, Ivan M.....	EX	Hardy
Stoner, James	THS	Lincoln
Stowell, Marion F.....	SA	University Place
Streiter, Edgar H.....	EX	Seward
Stroh, Marie Anna	SA	Lincoln
Sturmer, Hermine	EX	Lincoln
Stutheit, George Fred.....	SAs (FM)	University Place
Stutheit, Herbert Henry.....	SAs (FM)	Cook
Streitz, Gustave Adolphus.....	SA	Millard
Stubbs, Hazel Jeanette.....	SA	Lincoln
Stumph, Blanche Emma.....	SA	Whitney
Sullivan, Bess	THS	Exeter
Sullivan, J. C.....	EX	Lincoln
Sullivan, Thomas	THS	Lincoln
Sullivan, William Harrison.....	SAs (FM)	Beatrice
Suva, Joseph Leon.....	SAs (FM)	Dodge
Svoboda, Frank Charles.....	SAs	Abie
Swallow, Floyd A.....	THS, EX	Lincoln
Swanson, Floyd Laban.....	SA	Fullerton

Name	School or Department	Home Address
Swanson, Guy E	EX	Sutton
Swanson, Stuart J.	EX	Ong
Swiggart, Ruth	THS	Roca
Sykes, Ora	SA	Clatonia
Sysel, Edward	SAs (FM)	Crete
Taft, Lillie	THS	Lincoln
Tait, Kathryn	THS	Lincoln
Tanner, Ruby Ellen	SA	Beatrice
Tawney, Morris Elmer	SA	Osmond
Taylor, Earl	THS	Lincoln
Taylor, Hutch	THS	Lincoln
Taylor, Pearl	EX	Lincoln
Taylor, William F.	EX	Johnstown
Teel, Fern Dorothy	NSA	Freedom
Theisen, Ben P.	SAs (FM)	Juniata
Thomas, Alberta	THS	Lincoln
Thomas, Dorothy	THS	Cordova
Thomas, Isabel	THS, EX	Lincoln
Thomas, Maurine	THS	Lincoln
Thompssen, Herluf Otto	SAs	Marquette
Thompson, Carmi	SA	Stapleton
Thompson, Jennie	SA	Atkinson
Thompson, Karen Marie	EX	Bladen
Thompson, Maude Elaine	NSA	Farnam
Thomsen, Alfred	SA	Florence
Thomsen, Margaret	SA	Florence
Thurber, Mrs. Francis K.	EX	Bryan, Texas
Tiarks, John Henry	SA	Council Bluffs, Ia.
Tipton, Edna Julia	NSA	Curtis
Tolman, Nathaniel Edward	SA	Silver Creek
Tolly, Joseph Leland	SAs (FM)	Hendley
Toothaker, Howard Earl	SA	Normal
Totten, A. H.	SAs (FM)	Lincoln
Tousley, Twila	THS, EX	Lincoln
Tout, Ream Charles	SA	Lincoln
Towle, Everett John	SA	Charleston
Tracy, V. A.	EX	Elk Creek
Trindel, Etta Ernestine	NSA	Farnam
Trindel, Martin Owen	NSA	Farnam
Trine, Ralph Read	SA	Madison
Trusler, Ray Albert	SA	Ashland, Mt.
Tucker, Paul Edwin	SAs	Peru
Tully, Mrs. J. J.	EX	Lincoln
Tupper, Lola	THS	Lincoln
Turner, Ethyl Jane	NSA	Curtis
Tyrer, Violet Gertrude	SA	Lincoln
Uhler, Irene Gladys	SA	Lincoln
Uland, Ethel	THS	Lincoln
Uland, Shirley	THS	Lincoln
Unland, Allen W.	EX	Lincoln
Van Allen, Hazel	THS	Gresham
Vanderlip, Etta	EX	Bennet
Vavra, Vera	THS	Lincoln

ROSTER OF STUDENTS

651

Name	School or Department	Home Address
Veach, Ray	EX	Virginia
Vernon, Frankie Esther.....	NSA	Maywood
Vincent, Lastressa M.....	EX	Lincoln
Viner, Elizabeth Phillips.....	EX	Henderson, Iowa
Vlasek, Frank	EX	Prague
Vogel, Evelyn	THS	Lincoln
Volz, Louise	THS	Friend
Vollstedt, Herman.....	THS	Emerald
Vosburg, Bruce Paul.....	SA	Granville, Iowa
Vosburg, Edward	SA	Granville, Iowa
Voss, Louise	THS	Lincoln
Votaw, Francis	NSA	Wellfleet
Wagner, Ernest Nicholson.....	SA	Lincoln
Wagner, Frank David.....	SA	Culbertson
Wahlgren, Harriet E.....	EX	Washington, Kans.
Walker, Albert Newell.....	SAs (FM)	Lincoln
Walker, Alma	SA	Culbertson
Walker, Frances	THS	Lincoln
Walker, Ivan	SA	Farley
Walker, Leva B.....	EX	Lincoln
Walkup, Dwight Ray.....	SAs (FM)	York
Wallace, Olive M.....	EX	Lincoln
Walters, Charles Percy.....	SA	Lincoln
Ward, Frank Howard.....	NSA	Curtis
Ward, Phillip	SA	Litchfield
Ware, Galen Leicester.....	SA	Lawrence, Kans.
Warga, Albert J.....	EX	Plattsmouth
Warren, Floyd Keim.....	SA	Reynolds
Watkins, Charles Thompson.....	SAs (FM)	Lincoln
Watkins, Livona	NSA	Venango
Watkins, Luetta	NSA	Venango
Waugh, Truman	SA	Lincoln
Way, Lloyd C.....	SA	Elk Creek
Weaver, Amy C.....	EX	Lincoln
Weaver, Florence	THS	Harvard
Webb, Harrison M.....	EX	Lincoln
Webb, Ora Lee.....	SA	Pender
Webb, Ruth	THS	Lincoln
Weber George	THS	Lincoln
Weber, Nicholas Michael.....	SAs	Hebron
Welch, Vea	THS	Lincoln
Weller, Anna	THS	Seward
Wellett, Elliott A.....	EX	Palisade
Wendt, Frederick Walter.....	SAs (FM)	Leigh
Werner, Conrad Jr.....	SAs (FM)	Battle Creek
Wertz, Carrie	SAs (FM)	Lincoln
Wertz, Harold	THS	Lincoln
Wertz, Lyle Donald.....	EX	Starr
West, Bessie	THS	Lincoln
West, Clyde Carlos.....	SA	Oconto
West, J. R.....	EX	Mullen
Westcott, Clay Martin.....	SA	Malcolm
Westervelt, Lewis Henry.....	SA	University Place

Name	School or Department	Home Address
Wheeler, Fern Alberta.....	SA.....	Lincoln
Wheeler, Madge Lerue.....	SA.....	Lincoln
Whitcomb, Huber Oscar.....	SA.....	University Place
White, Bertha.....	THS.....	Bethany
White, Harold Clifford.....	NSA.....	Lexington
White, Jennie Hazel.....	EX.....	St. Francis, Kans.
Whitlock, Lester B.....	EX, SAs (FM).....	Floyd, Va.
Whitmore, Frances.....	THS.....	Valley
Whitmore, Joe Howard.....	SA.....	Litchfield
Whittington, Ruth.....	THS.....	Lincoln
Wickham, James Frederick.....	SA.....	Lincoln
Wickham, Wayne Caldwell.....	SA.....	Lincoln
Widle, Nora.....	SA.....	Waco
Wiedeburg, William Edward.....	SA.....	Lincoln
Wiest, Vern M.....	EX.....	Meadow Grove
Wiggins, Alta Victoria.....	NSA.....	Lebanon
Wiggins, Eugene Neff.....	SA.....	Lincoln
Wiggins, Mary Pearl.....	NSA.....	Lebanon
Wilkins, Cecile May.....	SA.....	Lincoln
Wilcoxon, Elizabeth.....	NSA.....	Curtis
Wilkinson, David E.....	THS.....	Lincoln
Wilkinson, Gladys.....	THS.....	Lincoln
Williams, Claude John.....	SA.....	Lincoln
Williams, Dorothy.....	THS.....	Lincoln
Williams, Dwight.....	THS.....	Lincoln
Williams, Francis.....	THS.....	Lincoln
Williams, Henry W.....	SAs (FM).....	Lincoln
Williams, Iris M.....	EX.....	Lincoln
Williamson, John F.....	SAs (FM).....	Pawnee City
Willis, Eunice.....	EX.....	Lincoln
Willoughby, Ardath.....	THS.....	Winfred, S. D.
Willson, Helen Elizabeth.....	NSA.....	Curtis
Willson, Kenneth Claude.....	NSA.....	Curtis
Wilmeth, Esther.....	THS.....	Lincoln
Wilson, Eleanor.....	THS.....	Lincoln
Wilson, John Harrison.....	SAs.....	Kilgore
Wilson, Leonard Linbach.....	SA.....	Lincoln
Wilson, Lucy.....	THS.....	Lincoln
Wilson, Margie.....	EX.....	Lincoln
Wilson, Maude.....	THS.....	Woodlawn
Wilson, Selwyn Terrance.....	SAs.....	Kilgore
Winslow, Sylvia Eileen.....	SA.....	Lincoln
Wisemann, Mary Caroline.....	NSA.....	Elwood
Wisemann, Nellie Elane.....	NSA.....	Elwood
Wisner, Lucile.....	EX.....	Benson
Witmer, Forest Roscoe.....	SA.....	Lincoln
Woita, Josephine.....	THS.....	Weston
Wolfe, Della.....	EX.....	Lincoln
Wolvington, Bessie Roberts.....	EX.....	Cambridge, Mass.
Woodcock, Harold Glenn.....	NSA.....	North Platte
Woodrick, Edgar Carl.....	SA.....	Beatrice
Woodward, Robert R.....	EX.....	Newark
Worlein, Marguerite May.....	NSA.....	Curtis

ROSTER OF STUDENTS

653

Name	School or Department	Home Address
Worthington, H. S.....	EX.....	Lincoln
Wright, Dorothy Cecile.....	EX.....	Clear Lake, S. D.
Wright, William	THS.....	Lincoln
Wrightsman, George Homer.....	EX.....	Shickley
Wunderlich, Ella	THS.....	Waco
Wunderlich, Walter	THS.....	Waco
Wurdeman, Adeline Clara.....	SA.....	Columbus
Wyckoff, E. S.....	EX.....	Benson
Wymore, Isabelle	NSA.....	Freedom
Yokato, Touyoski	THS.....	Lincoln
Yost, Cora	THS.....	Lincoln
Young, Earl	SA.....	Brock
Young, Earl Maddox.....	SA.....	Havelock
Young, Helene Lucille.....	EX.....	Ravenna
Young, Marion Luella.....	EX.....	Lincoln
Young, Thomas A.....	SAs (FM)	Lincoln
Zellars, Alice M.....	EX.....	Lincoln
Zimmerman, Helena	SA.....	Lincoln
Zook, Kathryn	THS.....	Lincoln

1917-1918

SUMMARY OF STUDENTS IN THE COLLEGES

	Men	Women	Total
The Graduate College.....	127	175	302
The Graduate School of Education.....	45	41	86
The College of Arts and Sciences			
Fourth Year.....	83	161	
Third Year.....	128	232	
Second Year.....	190	250	
First Year.....	373	361	
Unclassified.....	121	256	
	895	1,260	2,155
The School of Commerce.....	142	16	158
The School of Fine Arts.....	16	110	126
The Teachers College			
Fourth Year.....	8	121	
Third Year.....	8	139	
Second Year.....	3	137	
	19	397	416
The College of Engineering			
Fourth Year.....	27		
Third Year.....	29		
Second Year.....	53		
First Year.....	137	1	
Unclassified.....	5		
	251	1	252
The College of Agriculture			
Fourth Year.....	36	39	
Third Year.....	41	48	
Second Year.....	46	52	
First Year.....	86	74	
Unclassified.....	12	40	
	221	253	474
The College of Law			
Third Year.....	23	1	
Second Year.....	25		
First Year.....	59		
Unclassified.....	6	1	
	113	2	115
The College of Medicine			
(In Omaha)			
Fourth Year.....	28	1	
Third Year.....	31	1	
Second Year.....	47	3	
First Year.....	57	1	
Unclassified.....	2		
(In Lincoln)			
Second Year, Six-Year Combined Course.....	40	2	
First Year, Six-Year Combined Course.....	71	1	
	276	9	285
The College of Pharmacy			
Fourth Year.....	1	4	
Third Year.....	2		
Second Year.....	11	4	
First Year.....	16		
Unclassified.....	1	1	
	31	9	40
Grand Total.....	2,128	2,267	4,395
Deduct for Repeated Names.....	388	715	1,103
Total Registration.....	1,740	1,552	3,292

1917-1918

SUMMARY OF STUDENTS IN THE SCHOOLS AND IN THE DEPARTMENT OF UNIVERSITY EXTENSION

	Men	Women	Total
The School of Agriculture			
Six Months Course.....	243	118	
Deduct ¹	1	2	
	242	116	358
The School of Agriculture (Short Course)			
Six Weeks Course.....	164	1	165
The Nebraska School of Agriculture (Curtis)			
Nine Months Course.....	55	86	141
The Teachers College High School			
Nine Months Course.....	132	308	
Deduct ¹	65	120	
	67	188	255
University Extension			
May 1, 1917, to May 1, 1918.....	317	274	
Deduct ¹	128	146	
	189	128	317
Grand Total	717	519	1,236
Deduct for Repeated Names.....	10	8	18
Total Registration	707	511	1,218
Summary of Students			
In Colleges	Men 1,740	Women 1,552	Total 3,292
In Schools and University Extension.....	707	511	1,218
GRAND TOTAL OF UNREPEATED NAMES.....	2,447	2,063	4,510

¹The names deducted indicate the students who are registered primarily in one of the Colleges but are also registered in one of the Schools.

INDEX

A	
Accredited Schools.....	50-55
Accredited Teachers (Music).....	164
Administrative Officers.....	8
Admission Requirements.....	45
College of Agriculture.....	92
College of Arts and Sciences.....	129
School of Commerce.....	146
School of Fine Arts.....	165
College of Engineering.....	188
Graduate College.....	217
College of Law.....	233
College of Medicine.....	260
College of Pharmacy.....	313
Teachers College.....	334
Admission to the Bar.....	240
Adult Special Students.....	49, 95, 132,
149, 168, 191, 237, 264, 316	
Advanced Standing—	
Undergraduate Colleges.....	48, 94, 131,
148, 168, 191, 334	
College of Law.....	236
College of Medicine.....	262
College of Pharmacy.....	315
Advisers.....	103, 133, 193, 238, 334
Aesthetics.....	442
Agricultural Botany (see Plant Path-	
ology and Physiology).....	372
Agricultural Chemistry (see Chemistry)	390
Agricultural Courses.....	344
Agricultural Education.....	414
Agricultural Engineering.....	197, 199, 344
Agricultural Experiment Stations.....	113, 117
Agricultural Extension.....	109, 347
Agriculture, College of.....	81
School of.....	90, 93
Agronomy.....	348
Alphabetical List of Officers and Mem-	
bers of Faculties.....	12
Alphabetical List of Students—	
In the Colleges.....	565
In the School and University	
Extension.....	630
Alpha Kappa Psi.....	66, 158
Alumnæ Scholarship.....	66
Alumni Association.....	69, 278
American History.....	375
American Institute of Electrical	
Engineers.....	188
American Society of Mechanical	
Engineers.....	188
Anatomy.....	285, 527
Anatomy, Histology and Embryology.....	285
Animal Husbandry.....	353
Animal Pathology.....	356
Announcements.....	80
Applied Mechanics.....	416
Applied Music.....	447
Architectural Engineering.....	196, 201
Astronomy and Meteorology.....	380
Athletic Board.....	78
Athletics.....	64, 67
B	
Bacteriology and Pathology.....	295, 383
Biochemistry.....	287
Biometry.....	471
Blue Print, Engineering.....	68, 187
Board of Regents.....	7
Board, Room, Employment.....	69
Boards of Control.....	78
Bohemian (see Slavonic Language).....	517
Botanical Seminar.....	63, 385
Botanical Survey of Nebraska.....	68
Botany.....	384
Buildings.....	40, 91, 171, 271
Bulletins.....	68, 80, 119, 276
Bureau on Recommendation of Teachers	337
C	
Cadet Band.....	64
Cafeteria.....	69
Calendar of 1918-1919.....	4
Care of the Sick.....	69
Certificates—	
University Professional State.....	337
University Life.....	338
County.....	338
University Teachers.....	336, 340
First Grade State.....	335
Regents' Rules Regarding.....	336
Supervisors.....	338
Certification Committee.....	337
In Agriculture.....	100
In Home Economics.....	101
In Music and Drawing.....	174
In Physical Education.....	482
Granted in 1916-1917.....	540
Chemical Journal Club.....	63
Chemical Society.....	63
Chemistry.....	390
Chorus.....	64, 172, 445
Christian Associations.....	64
Civil Engineering.....	197, 202, 419
Civil Service.....	156
Class Elections.....	71
Clinical Advantages.....	273
Clubs and Societies.....	63, 157, 187, 278
Commencement Week.....	6
Commerce, School of.....	143

Committees—	
Of the Board of Regents.....	7
Of the Senate.....	11
Of the Faculties.....	89, 128, 164, 181, 216, 226, 257, 332
Conservation.....	448
Convocation.....	69, 278
Cornhusker.....	70
Correspondence Study.....	55, 531
Council, Student Constitution.....	71
Courses of Instruction.....	343
College of Agriculture.....	343
College of Arts and Sciences.....	343
School of Commerce.....	152, 343
School of Fine Arts.....	175, 343
College of Engineering.....	198, 343
Graduate College.....	343
College of Law.....	231
College of Medicine.....	282, 285
College of Pharmacy.....	324
Teachers College.....	343
University Extension.....	529
Teachers College Training School.....	339
Credit "Points".....	45
(See also Individual Colleges)	

D

Dairy Husbandry.....	356
Debate (see Rhetoric).....	66, 508
Debating Board.....	80
Debating Club.....	63
Degrees—	
Bachelor of Arts.....	129, 137, 265
Bachelor of Science.....	90, 99, 196, 264
Bachelor of Laws.....	233, 239
Bachelor of Science in Pharmacy.....	312, 323
Bachelor of Fine Arts.....	174
Pharmaceutical Chemist.....	312, 322
Graduate in Pharmacy.....	312, 321
Doctor of Medicine.....	265, 268
Doctor of Jurisprudence.....	233, 240
Master of Arts.....	217, 220
Master of Laws.....	466
Doctor of Philosophy.....	217, 219
Conferred in 1916-1917.....	540
Delian Society.....	64
Delinquency.....	76
Delta Sigma Rho.....	66
Departmental Publications.....	68
Dermatology.....	288
Diploma, Graduate School of Education.....	228
Diploma, Teachers College.....	335
Discipline.....	77
Dismissal.....	77
Domestic Science (see Home Economics)	
90, 98, 101, 365	

Dramatic Club.....	63
Drawing and Painting.....	439

E

Economics and Commerce.....	398
Education Courses.....	340, 406
Education.....	406
Education, Agricultural.....	414
Education, Graduate School of.....	223
Education, Methods in English.....	415
Education, Secondary.....	414
Education, Sciences in Secondary.....	412
Educational Administration.....	414
Educational Psychology.....	410
Educational Theory and Practice.....	410
Electrical Engineering.....	197, 204, 421
Elocution.....	175, 443
Embalming and Sanitary Science.....	304
Embryology.....	286
Employment, Board, Room.....	69
Engineering, College of.....	179
Agricultural.....	197, 199, 344
Architectural.....	196, 201
Civil.....	197, 202, 419
Electrical.....	197, 204, 421
Mechanical.....	197, 205, 424
Applied Mechanics.....	419
Society of.....	187
The Blue Print.....	68, 187

English Club.....	63
English History.....	427
English Language and Literature.....	429
English Seminary.....	63
Enrollment Statistics 1917-1918.....	654
Entomology.....	360
Entrance Requirements.....	47
Equipment.....	41, 92, 171, 183, 271, 317
European History.....	435
Examinations.....	5, 76
Expenses.....	58
Experimental Station, Agricultural.....	113
Bulletins.....	119
Staff.....	114
Substations.....	117
Expulsion.....	77
Extension Courses.....	55, 530
Extension Service.....	109

F

Faculties—	
College of Agriculture.....	81
College of Arts and Sciences.....	122
School of Commerce.....	144
School of Fine Arts.....	162
College of Engineering.....	180
Graduate College.....	212
Graduate School of Education.....	224

College of Law.....	232	Inspection of Secondary Schools.....	50
College of Medicine.....	252	Insurance.....	157
College of Pharmacy.....	310	Internal Medicine.....	291
Teachers College.....	330	Italian Language.....	516
Committees.....	89, 123,		
	181, 216, 226, 257, 332	J	
Farm Management.....	363	Journalism.....	139, 509
Fees and Expenses.....	58	Jurisprudence and Public Law.....	466
(See also Individual Colleges)			
Fellowships and Scholarships.....	64, 221, 230	K	
Fine Arts, School of.....	161	Komensky Club.....	63
Fine Arts Courses.....	174, 439		
French Language.....	513	L	
G		Laboratories.....	40, 91, 184, 271
General Agricultural Group.....	90, 98, 103	Laryngology and Rhinology.....	292
General Information.....	38	Latin.....	509
Genito-Urinary Surgery.....	289	Latin Seminary and Club.....	63
Geography and Conservation.....	448	Law College.....	231
Geology.....	452	Leave of Absence.....	76
Germanic Languages.....	458	Libraries.....	10, 79, 247, 278, 317
Girls' Club.....	63	Literary and Scientific Societies.....	63, 278
Glee Club.....	64	Loan Funds.....	68, 196, 279
Government of the University.....	41	M	
Grades of Scholarship.....	75, 77, 138, 267	Machine Design.....	416
Graduate Club.....	63	Major Subjects.....	100, 138, 336
Graduate College.....	211, 550	(See also Individual Departments)	
Graduate Council.....	216	Mathematics.....	467
Graduate Courses.....	343	Maps of the University Campus.....	2, 3
Graduate School of Education.....	57, 223	Mechanical Engineering.....	197, 205, 424
Graduate Teachers Diploma.....	57, 228	Medical Dispensary.....	273
Greek History and Literature.....	462	Medical Jurisprudence.....	292
Grounds and Buildings.....	2, 3, 40, 91, 171, 271	Medical Societies.....	278
Gynecology.....	290	Medicine, College of.....	251
H		Mental and Nervous Diseases.....	293
Hebrew.....	465	Meteorology.....	381
Herbarium, The University.....	384	Methods Courses for Teachers.....	340, 415
High School Manual.....	50, 68	Microscope Club.....	63
High Schools, Accredited.....	50	Military Science and Tactics.....	64, 75, 472
Histology and Embryology.....	286, 527	Minor Subjects.....	100, 138, 336
History—		(See also Individual Departments)	
American.....	375	Music.....	64, 171, 445
English.....	427	N	
European.....	435	Nebraska Certification Laws.....	337
History and Criticism of Fine Arts.....	441	Nebraska Historical Society.....	376
History of the University.....	41	Nebraskan, The Daily.....	68
Home Economics.....	90, 98, 101, 365	Nervous and Mental Diseases.....	293
Honorable Dismissal.....	77	Notices and Announcements.....	80
Honorary Degrees Conferred.....	544	O	
Honorary Societies.....	65	Obstetrics.....	290, 293
Honors and Prizes.....	64, 248, 280, 318	Officers and Members of Faculties.....	8, 12
Horticulture.....	370	Ophthalmology and Otology.....	294
Hospital Appointments.....	276	Order of the Coif.....	66, 248
Hospitals.....	273	Organization and Government of the	
Hygiene.....	290	University.....	41, 62, 90, 129, 146, 165,
			183, 187, 217, 227, 233, 259, 312, 333
I		Orthopedic Surgery.....	295
Infantry Drill.....	67, 75, 472		

P	
Palladian Society.....	63
Pathology and Bacteriology.....	295
Pediatrics.....	297
Pershing Rifles.....	64
Petitions and Meetings.....	77
Pharmaceutical Garden.....	318
Pharmaceutical Society.....	318
Pharmacology.....	297, 492
Pharmacy.....	324
Pharmacy, College of.....	309
Phi Alpha Tau.....	66
Phi Beta Kappa.....	65
Philosophy.....	476
Physical Education.....	75, 482
Physics.....	487
Physics Colloquia.....	63
Physiology.....	298
Physiology and Pharmacology.....	492
Plant Pathology and Physiology.....	372
Political Science and Sociology.....	496
Poultry (see Animal Husbandry).....	355
Practice and Practice Courts.....	246
Professional Requirements for Teachers.....	335
Prizes and Awards thereof—	
Military Drill.....	64
Athletic Trophies.....	64
American Law Book Company Prize.....	248
Bryan, William Jennings.....	64, 248
Callaghan and Company.....	248
Legal Bibliography.....	248
Oratory.....	248
Excellence in Bohemian.....	64
Medical.....	280
Pharmaceutical.....	318
Prohibitions.....	77
Psychology.....	477
Publication Board.....	78
Publications.....	68, 118, 276, 279
Public Health.....	276
Public Law.....	466
Public Speaking (see Rhetoric).....	508
R	
Regents, Board of.....	7
Registration.....	49, 73, 96, 133, 150, 169, 192, 218, 237, 266, 316, 334
Religious Organizations.....	63
Reports—Standing.....	76
Requirements for Advanced Degrees.....	219, 220, 240
(See also Individual Departments)	
Requirements for Graduation.....	98, 137, 152, 193, 239, 265, 317, 335
Residence of Men and Women.....	79
Revenue of the University.....	41

Rhetoric.....	505
Roman History and Literature.....	509
Romance Languages and Literatures.....	513
Rooming Regulations.....	79
Roster of Students and Degrees—	
Students, 1917-1918.....	565
Degrees, 1916-1917.....	540
Rules and Regulations Governing	
Students.....	73

S	
Sanskrit.....	463
Scholarships.....	64, 221, 280
Scandinavian Languages.....	516
Schools—	
Agriculture.....	90, 93
Commerce.....	143
Fine Arts.....	161
Sick, The Care of the.....	69
Sigma Xi.....	65
Sigma Delta Chi.....	141
Slavonic Languages and Literatures.....	517
Smith-Hughes Requirements.....	100
Social Functions.....	78
Societies—	
Literary and Scientific.....	63, 141, 188, 278
Honorary.....	65, 248, 278
Sociology.....	496
Spanish Language.....	515
Special Examinations.....	76
Special Students (see "Adult Special")	
Standing of Students.....	76, 138, 193, 240, 267, 334
State Military Commissions Awarded in	
1916-1917.....	549
State Societies.....	69
Student Council Constitution.....	70
Student Publication Board.....	78
Students, Alphabetical List of.....	565, 630
Students Enrollment.....	654
Students' Handbook.....	68
Students' Mail.....	68
Students' Organizations.....	62, 78, 187
Summary of Students, 1917-1918.....	630, 631
Summer Session.....	44, 56
Surgery.....	299
Suspension.....	77
Swedish Language.....	516

T	
Teachers' Bureau.....	337
Teachers' Certificate.....	100, 335
Teachers College.....	329
Teachers College Diploma.....	335
Teachers College High School.....	339
Teachers' Courses.....	340, 341

Tegner Society.....	63
Theory and History of Music.....	446
Therapeutics.....	301
Theta Sigma Phi.....	141

U

Union Society.....	63
University Cafeteria.....	69
University Extension.....	56, 529
University Girls Club.....	63
University Hospital.....	273, 302
University Journal.....	68
University Senate.....	11
University Studies, The.....	68
University Year.....	44

V

Visitors to the University.....	69
---------------------------------	----

W

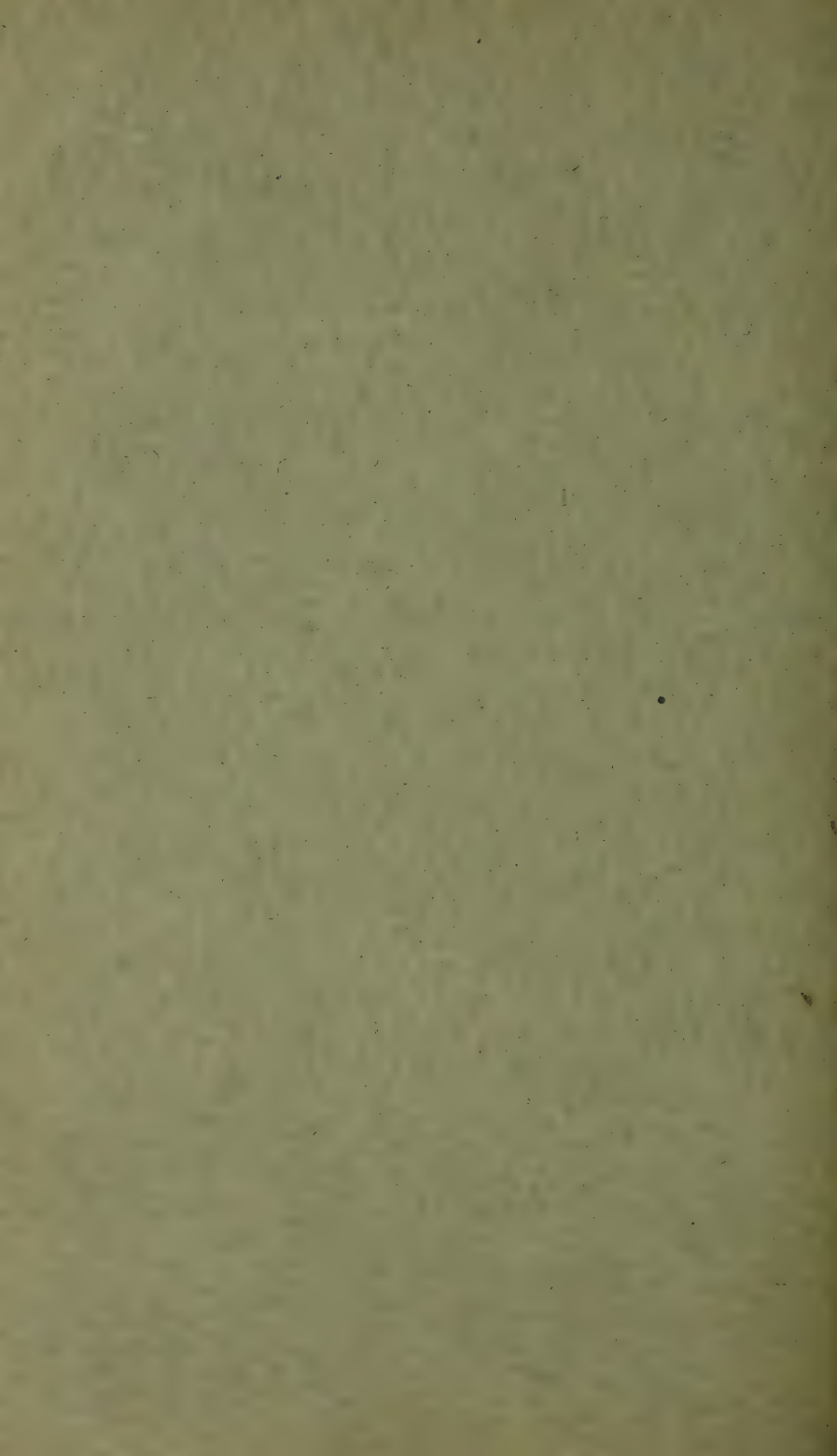
War Services.....	42
Weather Bureau, The United States.....	380
Woman's Pan-Hellenic Medals.....	66
Women's Parlors.....	69
Workizer Rifles.....	64

Y

Y. M. C. A. and Y. W. C. A.....	63
---------------------------------	----

Z

Zoology.....	519
Zoology Club.....	63



UNIVERSITY OF ILLINOIS-URBANA



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